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EDWARD TELLER

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EDWARD TELLER USAF: Misc. 1953-1997

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EDWARD TELLER USAF: AFOAT-1 1956-1965

EDWARD TELLER United Features Syndicate

EDWARD TELLER United Airlines (Ticket Refunds, etc.)

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EDWARD TELLER

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1956-1965

UNIVERSITY OF CALIFORNIA, DAVIS

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO

SANTA BARBARA • SANTA CRUZ

COLLEGE OF ENGINEERING
DEPARTMENT OF APPLIED SCIENCE DAVIS-LIVERMORE

POST OFFICE BOX 808
LIVERMORE, CALIFORNIA

February 24, 1965

Mr. Doyle Northrup
AFTAC
U. S. Air Force
Washington, D. C.

Sent by Ged Tel

Dear Mr. Northrup:

You will remember that Dr. Teller attended the Bethe Panel Meeting in Washington on December 14th. In connection with this trip we have billed a portion of the travel expenses to activities in Los Angeles and in Dallas. The trip to Washington was made expressly to attend your meeting, and Dr. Teller has suggested that I write and inquire of you as to whether the Air Force could not take care of the balance of expenses.

A "Request for Reimbursement" for listed expenses is attached. If there any questions, please do not hesitate to write.

Sincerely yours,

Gen Greteman

Genevieve Greteman
Secretary to Edward Teller

Att.

Dear Miss Greteman,

I am returning the attached receipts per instructions of John Rudolph AEC. AEC will defray Edward's expenses as per our agreement in 1952 for Bethe panel costs. I understand you will receive revised instructions for submission of the expense account to AEC

Best regards
Doyle Northrup

LAWR RAD LAB

RR 415-891-9373 V 209-942-1042 WR 11/39XXXX WR 39/11/DD

R 102228Z

FM AFTAC WASH DC

TO UNIVERSITY OF CALIF BERKELEY CALIF

BT

UNCLAS TDC

DOYLE TELLER TO CONFER ON TELEPHONE CONVERSATION OF

IO NOVEMBER. HOPE YOU WILL BE ABLE TO ATTEND

THE BETHE PANEL MEETING ON 14 DECEMBER. I THINK YOU WILL

FIND A COUPLE OF INTERESTING PROBLEMS AND I HOPE WE SHALL PROFIT

AS ALWAYS BY

BT

NNNN

SENT 1 NOV

LAWR RAD LAB

O

RECEIVED
COMMUNICATIONS
OFFICE
NOV 11 8 27 AM '64
LRL BERKELEY

REQUEST FOR REIMBURSEMENT

To: AFTAC
U. S. Air Force
Washington 25, D. C.

February 24, 1965

From: Dr. Edward Teller
Lawrence Radiation Laboratory
Berkeley 4, California

Portion of air fare involved in trip to Washington to attend Bethe Panel Meeting on 14 December 1964 $202.76

Per diem, 1½ days 18.00

TOTAL $220.76

Dr. Lawrence Hafstad
Division of th

RAD LAB

RR 415-891-9373 V 209-942-1042 NR11/39XXXX NR39/11/DOD

R 102228Z

FM AFTAC WASH DC

TO UNIVERSITY OF CALIF BERKELEY CALIF

BT

UNCLAS TD006. FOR DR. EDWARD TELLER FROM

DOYLE NORTHRUP. THIS IS TO CONFIRM OUR TELEPHONE CONVERSATION OF

10 NOVEMBER 1964. I HOPE THAT YOU WILL FIND IT POSSIBLE TO ATTEND

THE BETHE PANEL MEETING ON 14 DECEMBER 1964. I THINK YOU WILL

FIND A COUPLE OF INTRIGUING PROBLEMS AND I KNOW WE SHALL PROFIT

AS ALWAYS BY YOUR PARTICIPATION.

BT

NNNN

SENT 1 MSG END

LAWR RAD LAB

O

RECEIVED
COMMUNICATIONS
OFFICE
Nov 11 8 27 AM '64
LRL BERKELEY

CALLED
EXT 87406 BLDG 113 ROOM
TIME 10:20
DATE NOV 10 1964
BY EXT. 362

AIR FORCE
The Magazine of Aerospace Power published by the Air Force Association
SPACE DIGEST
1501 PENNSYLVANIA AVENUE, N.W. WASHINGTON 6, D. C. · FEDERAL 8-6575
JOHN F. LOOSBROCK, Editor and Assistant Publisher

January 15, 1963

December 10, 1962

Mr. John F. Loosbrock, Editor
Air Force/Space Digest
1901 Pennsylvania Avenue, N. W.
Washington 6, D. C.

Dear Mr. Loosbrock:

I have thought carefully about additional scientists who might be helpful in connection with the difficult problems of preparedness. The following are a few suggestions.

Dr. Lawrence Hafstad, formerly with the Reactor Development Division of the AEC, now in charge of research at General Motors in Detroit. He has a somewhat superficial familiarity with our problems and is not committed. However, his general thinking is sound.

Professor Henry Eyring of the Department of Chemistry and Dean of the Graduate School of the University of Utah in Salt Lake City. His political opinions are thoroughly sound, but he is not familiar with our specific problems.

J. H. Van Vleck of the Harvard Lymab Lab of Physics has been outside the atomic energy development except for a very short period at the outset in 1942. I have confidence in his general judgment.

Dr. Charles Stark Draper of the M.I.T. Department of Aeronautical Engineering is, as you know, thoroughly familiar with some of the Air Force problems and is also very reliable.

Dr. Harvey Hall was formerly Head of the Physics Department at Florida State University in Tallahassee. He is now working with NASA, is thoroughly familiar with space problems as well as with atomic energy problems and is reliable and sound.

Dr. Ivan Getting, President of Aerospace Corporation in Los Angeles, has been deeply involved with Air Force work and has a generally sound judgment.

Nike-Hercules antiaircraft missiles have been emplaced in southern Florida to counter the continuing threat of Soviet Cuba-based IL-28 bombers. *Hawk* units were moved into the area earlier, but a recent photo was

the first indication (DOD has yet to confirm it) that the higher-performance *Hercules* was also deployed.

AIR FORCE

The Magazine of Aerospace Power *published by the Air Force Association*

SPACE DIGEST

1901 PENNSYLVANIA AVENUE, N.W. WASHINGTON 6, D. C. • FEDERAL 8-6575

JOHN F. LOOSBROCK, *Editor and Assistant Publisher*

December 10, 1962

Dr. Edward Teller
Radiation Laboratory
University of California
Berkeley, Calif.

Dear Dr. Teller:

The enclosed article from Business Week doesn't appear to paint nearly so black a picture of our nuclear test program as you do. I'd be interested in specific comments on the article for our guidance, as these points are sure to be raised sooner or later.

Sincerely,

Jack Loosbrock

John F. Loosbrock
Editor

JFL:L
Enc.

2

AIR FORCE

The Magazine of Aerospace Power *published by the Air Force Association*

SPACE DIGEST

1901 PENNSYLVANIA AVENUE, N.W. WASHINGTON 6, D. C. • FEDERAL 8-6575

JOHN F. LOOSBROCK, *Editor and Assistant Publisher*

October 16, 1962

Dr. Edward Teller
Radiation Laboratory
University of California
Berkeley, Calif.

Dear Dr. Teller:

Apropos our conversation last Friday I enclose herewith a copy of the list of scientists you furnished with the hope that it can be substantially augmented. As we discussed, the problem of prior identification with and commitment to a position has been a handicap in this effort and there is a need to document the existence of a substantial body of scientific opinion in this area.

We discussed also the possibility that you might have an opportunity to edit and recast your San Francisco remarks in a form suitable for publication, hopefully before you leave for Europe although I understand this is not likely.

Sent 10/18/62

It was good to talk with you and by the time you return to this country I expect that we will have a fairly definitive plan of action ready for your comments.

Sincerely,

Jack Loosbrock

John F. Loosbrock
Editor

JFL:L
Enc.

How do you add up Hans Bethe at this point? Would he hurt or conceivably help?

3

Nike-Hercules antiaircraft missiles have been emplaced in southern Florida to counter the continuing

October

LOS ANGELES TIMES 12 NOVEMBER 1962 (19)

Lies the Real or of Nuclear War?

BY WILLIAM F. BUCKLEY JR.

...ny arguments are ...adays posed, and opin-...ns influenced, by gaudy references to the extent of the devastation that would ensue upon a thermonuclear exchange in a third world war.

I have heard lecturer after lecturer describe in macrocosmic terms, almost as if they took pleasure in describing all that gore, the meaning for the United States of a thermonuclear attack on us by, say, 100 10-megaton Russian missiles.

★

I can hear the words of a man who spoke last week . . . "at least 100 million deaths . . . starvation and contamination for most of the rest of the population . . . reduction of our economy to a primitive level . . ."

I shall spare you more, especially the description of the physical appearance of an incinerated child in Hiroshima. There are few things more gruesome.

Still I ask: What actually is the relevance of all that talk? (Which is used primarily by pacifists and collaborators and those who plead for disarmament at any price.) We know the meaning of violent death intuitively, do we not?

Even so, we are committed, as individuals, as a nation, and as a civilization, to the proposition that death is the price one must be prepared to pay to oppose certain kinds of threats.

Granted, were there a war today, there would be more deaths — far more deaths—than were caused by yesterday's war. But what is the meaning of that statistic to the individual dead man? None—he knows not whether he died alone, or in company with a hundred million others.

★

What is the meaning of it for the survivor? None that goes beyond that abysmal grief of personal loss, experienced well before the nuclear age by, for instance, the frontiersman's wife whose husband and children were massacred by the Indians.

An individual human being can sustain only so much grief, and then bereavement becomes redundant. If my wife, son, mother, brothers and sisters are killed, I have little capacity to grieve over the loss of my college roommate's uncle.

What, then, is the meaning of that statistic for civilization? Civilization has no feelings, and knows not pain; it is we, the dead and the survivors, who feel the loss or advancement of civilization. And here we come to the nub of the question.

★

What we are asked by those who devote their energies to describing the effects of nuclear war to consider then, when you analyze it, is less human suffering than the loss to humankind of so many of those things that lived on and on even when generation after generation of human beings died: the intangible things — the sense of community, and of nationhood; the tangible things — the cathedral at Chartres, the museum at the Prado, the White House, the Vatican, the Bodleian Library.

It is, I think, more the sense of these losses than the concern for human life which hard analysis betrays as lying beneath the unreasoned hysteria of many of our contemporaries: and indeed, when we contemplate shattering, say, the stained-glass windows of Chartres, we know that, unlike the extinction of humar life, we contemplate extinguishing something which, because it was not afflicted with mortality, might otherwise have gone on and on, to refresh and console the people, right through empires risen and fallen, barbarians repulsed or submitted to, the appearance and disappearance of the 100th French Republic . . .

And yet that is a pagan's analysis. Because human life, even though it cannot last beyond a few-score years, is more valuable than all the perdurable treasures of the earth.

★

It is necessary, when we listen to a Norman Cousins or a Steve Allen or a Sidney Lens or a Bertrand Russell or a Kenneth Tynan going on and on about the horrors and scale of nuclear death, to force ourselves to face explicitly what we know intuitively.

And that is this: that if it is right that a single man is prepared to die for a just cause, it is right that an entire civilization be prepared to die for a just cause.

In contemporary terms it can scarcely be disputed that if ever a cause was just, this one is, for the enemy combines the ruthlessness and savagery of Genghis Khan with the fiendish scientific efficiency of an IBM machine.

★

As we have seen, the collective bereavement is not more than the sum of individual bereavements and cannot, therefore, in human terms, outweigh in quality or in intensity the pain that has always been felt, throughout the history of the world, by individuals who did not place mere survival as their highest value.

It is important to plumb these arguments, so as to escape the net of those facile little cliches which reduce complex issues to disjunctive jingles. Better Dead than Red is an inaccurate statement of the American position, listing, as it does, non-exclusive alternatives. Properly stated it is: Better the chance of being dead than the certainty of being Red.

And if we die? We die.

MISSILES & ROCKETS 19 NOVEMBER 1962

Orion Still Hanging Fire

Air Force is still reportedly "backing and filling" on Project *Orion* (M/R, Oct. 29, p. 28), with a decision still "expected any day." AF must get the program approved by Dept. of Defense Director of Research and Engineering, which apparently is not very enthusiastic about the bomb-powered vehicle. DDRE refuses to discuss the project, referring questions to the Air Force.

MISSILES & ROCKETS 19 NOVEMBER 1962

Nike-Hercules on Cuba Watch

Nike-Hercules antiaircraft missiles have been emplaced in southern Florida to counter the continuing threat of Soviet Cuba-based IL-28 bombers. *Hawk* units were moved into the area earlier, but a recent photo was the first indication (DOD has yet to confirm it) that the higher-performance *Hercules* was also deployed.

MISSILES & ROCKETS 19 NOVEMBER 1962

Project Pandora's Box

Defense Dept. is complaining that the services have swamped it with requests for project go-aheads since the removal of arbitrary budget ceilings. DOD Comptroller Charles Hitch says "virtually every project which could conceivably have any merit at all"—including many which had been turned down earlier—was submitted during the FY 1964 budget review. Pentagon does not now plan to re-impose ceilings, but may start program reviews early so the services will know what they can get away with before the first formal budget review in October.

P. O. BOX 451
ITHACA, NEW YORK

June 14, 1957

Dr. Edward Teller
P.O. Box 808
Livermore, California

Dear Edward:

This is a somewhat belated reaction to your letter of resignation from the Evaluations Committee working with AFOAT-1. I was awfully sorry to hear that you wanted to be relieved of your membership in this Committee. However, I know how many other duties you have, and how you have been increasingly busy with work on many important Committees. Therefore I perfectly well understand your reasons for resigning, and as you know Dr. Northrup has accepted your resignation.

I want to thank you very much for the important work you did on our Committee. We shall miss you terribly, and our discussions will never again have the same vigor and interest which they had while you were a member. You have contributed a large number of the ideas in evaluating our problems, and have often successfully restrained us from jumping to conclusions.

Thank you very much again for all the help you have given us.

Yours sincerely,

Hans

HAB:jrs

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D. C.

AFOAT-1/SWTD

3 MAY 1957

Dr. Edward Teller
Radiation Laboratory
University of California
Berkeley, California

Dear Dr. Teller:

Thank you for your letter of 25 April 1957 regarding Dr. Cristofv. It is very reassuring to get your opinion since the possibility of doing somebody a disservice is always disturbing.

I appreciate your desire to place the responsibility for your contributions to the Bethe Panel on less busy shoulders, and I wish to thank you very much for going out of your way to recommend Montgomery Johnson. I certainly agree that he should be able to make significant contributions. Since the decision is up to Dr. Bethe I am awaiting with interest his reply to your suggestion.

I hope that you will feel free to drop in any time you have a few minutes when you are in Washington and let us take advantage of you even for that short a time. However, I appreciate your desire not to have the normal duties and responsibilities which with the program expanding as our friends seem to be making it, is going to be more rather than less in the future.

As soon as we hear from Dr. Bethe, I am sure that General Hooks and General Starbird will want to express their appreciation for your tremendous help to date and to express their regret that you cannot continue as an active member of the Panel.

Kindest personal regards,

D. L. NORTHRUP
Technical Director, AFOAT-1
Office for Atomic Energy, DCS/O

22318

re: AFOAT correspondence to Bethe

149 50

MEMORANDUM

March 20, 1957

TO: N. Carey

FROM: Joan Jaffray

SUBJECT: Facility Clearance for Dr. Hans Bethe

This will confirm that I have just received the following cleared address for Dr. Bethe from Ken Heard's office, AEC, SAN:

Dr. Hans Bethe
P.O. Box 451
Ithace, New York

In your absence on March 18, Gen Greteman asked your office to obtain clearance for her to mail a S/RD letter to Dr. Bethe from Dr. Teller. Heard's office called back shortly to report that Bethe had a cleared facility address on file with them under General Atomic "access permittee". I took the call, since Gen was busy at the moment, and explained to Heard that the letter was on AFOAT business, not General Atomic, and that Teller serves on Bethe's AFOAT committee as part of his AEC consultant responsibilities, since it is a project of mutual interest to AEC-AF. Heard agreed it was proper to verify the address on this basis with Washington by TWX.

Heard's office advised the cleared address was on a one time basis only. I asked that routine confirmation be sent to you and was told by Heard's girl that confirmation would not be sent since it was access permittee. I reiterated the AFOAT versus General Atomic basis and she advised she would ask Heard if confirmation couldn't be sent under the circumstances.

Joan Jaffray

P. O. BOX 451
ITHACA, NEW YORK

December 5, 1956

Dr. D.L. Northrup
Technical Director - AFOAT-1
Office for Atomic Energy
Washington, 25, D.C.

Dear Doyle:

Edward was right, the Physical Society Meeting is only on January 30th to February 2nd, so I would be able to come to a meeting the preceding week. However, it would be quite inconvenient to do so because I want to use that week for consultations in Boston and Schenectady.

If Penney can come, and can come during that week, it would be all right to arrange a meeting on whatever day is most convenient to Edward. As it looks now, Wednesday the 23rd may be better than Thursday the 24th, and Friday the 25th would be even better for me. If Penney cannot come, I would strongly favor not having another meeting but to leave the rest of our business to correspondence.

Yours sincerely,

Hans A. Bethe

HAB:jrs

cc - Dr. Edward Teller

EDWARD TELLER

February 27, 1956

Dr. Hans A. Bethe
University of Cambridge
Department of Physics
Cavendish Laboratory
Free School Lane
Cambridge, England

Dear Hans:

I regret very much that I am unable to come to your meeting on the 21 or 23. It really seems to be exceedingly difficult. Furthermore, it also seems to me that our friends who are in charge of the technical evaluation have done an excellent job. I know that you have heard from them by now. We will be in the same meeting on the 12th, and if there are any serious worries, we can talk about them briefly at that time, or perhaps on the next day if this is convenient for you.

At any rate, I am looking forward to seeing you again soon.

With best regards to Rose and yourself,

Edward Teller

ET:eo

UNIVERSITY OF CAMBRIDGE DEPARTMENT OF PHYSICS

TELEPHONE:
CAMBRIDGE 54481

CAVENDISH LABORATORY
FREE SCHOOL LANE
CAMBRIDGE

21st February, 1956.

Dear Edward,

This is with regard to the meeting of Northrup's committee which is to take place during my visit to the U.S., in Washington. I had suggested to hold this meeting on Friday, March 23, mainly having your convenience in mind. I thought that perhaps Freddie wanted to arrange a meeting at General Dynamics for Saturday, 24th and thought you might want to attend both meetings. It seems to turn out that his meeting is on the 12th.

It would be considerably more convenient for me if we had the Northrup meeting on the 21st. It mainly depends on you. Please wire me whether you can come on either of these two dates, 21st or 23rd, or whether one of them is impossible. Just wire the day on which you can come. Let also Northrup and Carson know which day you choose, and the meeting will be set accordingly. I hope you can make it on the 21st. (The intermediate day, 22nd, is impossible for me.)

With best regards,

Yours sincerely,

Hans

H. A. Bethe.

Professor Edward Teller,
Physics Department,
University of California,
Berkeley, California.

Copies to:
Dr. D. Northrup and Dr. C. Mark.

2

TRANSMISSION MEANS			
DIRECT TWX	TWX AND MILITARY	DIRECT MILITARY	W. U.

BY AIR MAIL

PAR AVION

AIR LETTER

AEROGRAMME

CAMBRIDGE
7 30PM
21 FEB
1956

Professor Edward Teller,

Physics Department,

University of California,

Berkeley, Cal.,

U.S.A.

First fold here

Second fold here

Sender's name and address: Professor H. A. Bethe,

Cavendish Laboratory,

Free School Lane,

Cambridge, England.

AN AIR LETTER SHOULD NOT CONTAIN ANY ENCLOSURES; IF IT DOES IT WILL BE SURCHARGED OR SENT BY ORDINARY MAIL.

THE 'APSLEY' AIR LETTER

Form approved by Postmaster General No.—71995/IT.

UI

INSERT CLASSIFICATION (IF CLASSIFIED)

U. S. ATOMIC ENERGY COMMISSION

OUTGOING TELECOMMUNICATION MESSAGE

(See reverse side for instructions)

USE WHERE REQUIRED

THIS DOCUMENT CONSISTS OF _____ PAGES
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FROM:

EDWARD TELLER UCRL BERKELEY

OFFICIAL BUSINESS

(Signature of certifying official)

PRECEDENCE DESIGNATION

ENCIPHERED BY

TO:

WESTERN UNION NIGHT LETTER CABLE

HANS A. BETHE
UNIVERSITY OF CAMBRIDGE
DEPARTMENT OF PHYSICS
CAVENDISH LABORATORY
FREE SCHOOL LANE
CAMBRIDGE ENGLAND

February 27, 1956

REURLETTER REGRET CANNOT MAKE EITHER DATE SUGGESTED. HOPING TO SEE YOU

FOR PRIVATE CONVERSATION 12 AND 13.

EDWARD TELLER

ORIGINATOR:

THIS SPACE RESERVED FOR COMMUNICATION CENTER ACTION

MSG. NO.	GR.	DTG.

TRANSMISSION MEANS

DIRECT TWX	TWX AND MILITARY	DIRECT MILITARY	W. U.

RESTRICTED DATA OR ESPIONAGE STAMP, IF REQUIRED

3

INSERT CLASSIFICATION (IF CLASSIFIED)

16—65895-1

UNIVERSITY OF CALIFORNIA

RADIATION LABORATORY
BERKELEY 4, CALIFORNIA

April 25, 1957

Mr. Doyle L. Northrup
Technical Director, AFOAT-1
Office for Atomic Energy, DCS/O
Department of the Air Force
Headquarters, United States Air Force
Washington 25, D. C.

Dear Doyle:

I repeatedly have asked you that I be permitted to withdraw from the committee in which your group is interested. While the present arrangement of informal contacts is satisfactory, I feel that I would like so to arrange things as to shove as much responsibility as is possible on other capable shoulders.

Therefore I would like to recommend to you a man who is well acquainted with the principles of the subject, who is an exceptionally intelligent person, and whose judgment I respect in every way. This man is Montgomery Johnson, who used to work at the Naval Research Laboratory, later in Livermore, and now is working with Aeronutronic Systems, Inc., 1234 Airway, Glendale, California. I am quite sure that if he would join the group, he could make significant contributions.

I am taking the liberty of sending a copy of this letter to our good chairman, Hans Bethe.

Sincerely yours,

Edward Teller

ET:gg

cc: Dr. Hans Bethe
c/o Cornell University
Ithaca, New York

UNIVERSITY OF CALIFORNIA

RADIATION LABORATORY
BERKELEY 4, CALIFORNIA

April 25, 1957

Mr. Doyle L. Northrup
Technical Director, AFOAT-1
Office for Atomic Energy, DCS/O
Department of the Air Force
Headquarters, United States Air Force
Washington 25, D. C.

Dear Doyle:

This is in answer to your letter of April 8th. I have studied the report of Dr. Cristofv. Of course, I can be easily wrong but I have obtained the clear impression from the paper that you have acted rightly in showing no interest in Dr. Cristofv. I do not see any merit in his proposal and I think it would be a waste of time and effort to support him.

I hope you do not overestimate my opinion. I know that I may be wrong, but the approach of Dr. Cristofv, the vagueness of his statements, the exaggerated nature of his claims, all give clear indication of a person who is not balanced and who does not really know what he is talking about.

With best regards,

Edward Teller

ET:gg

P. S. Dr. Cristofv's paper and Dr. Urry's comments are returned herewith.

RADIATION LABORATORY
BERKELEY 4, CALIFORNIA

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D. C.

AFOAT-1/SWTD

8 APR 1957

Dr. Edward Teller
Radiation Laboratory
University of California
Berkeley, California

Dear Edward:

I am writing to you about Dr. Cristjo Cristofv who, I understand, is a Hungarian engineer presently in this country. General Walsh (USAF) and Colonel Stohl (USAF) originally sent him to me to explain the "Cristofv" effect which is the electromagnetic radiation from TNT charges.

I understand he is contemplating return to Hungary with some bitterness against the U.S. for not appreciating his ideas. Dr. Urry interviewed him for me in 1952 and recommended that he was all too vague on technical points. Colonel Stohl tells me his exaggerated sense of security caused him to be deliberately vague. I solicited and received from Colonel Stohl a mathematical treatise by Cristofv which goes far beyond the emission of energy from explosives but is presented for determining whether or not Cristofv has been unwittingly slighted and indeed has scientific potential which we should explore further.

Since I may have been instrumental in Cristofv not being hired by the Air Force years ago, I should like to make every effort to be fair to him.

I feel that your judgment in this matter could be of the greatest importance in possibly correcting an injustice as well as doing the Air Force a service in properly evaluating this man.

I realize that this is a great imposition on your time, Edward, and am quite prepared to hear that you simply cannot spare the time.

2

22272

2

Dr. Edward Teller

However, in the hope you might be able to help, I am inclosing Cristofv's paper and Dr. Urry's comments.

Sincerely yours,

Dayle

D. L. NORTHRUP
Technical Director, AFOAT-1
Office for Atomic Energy, DCS/O

2 Incls
1. Paper by Dr. Cristofv
   1955
2. Comments by Dr. Urry re
   Dr. Cristofv's paper

P. S.

Am off to Europe for three weeks. Do not require a reply until my return if this helps any.

Regards

Dayle

October 22, 1956

Dr. C. Rogers McCullough
5702 Overlea Rd.
Washington 16, D. C.

Dear Rogers:

Doyle Northrup tells me you will be in attendance at the meeting in Dr. Furness's office on October 26. I will also be there, and plan to remain in Washington from October 25 until the 31st. Looking forward to seeing you,

Edward Teller

ET/eo

UNIVERSITY OF CALIFORNIA

RADIATION LABORATORY
BERKELEY 4, CALIFORNIA

April 2, 1956

Dr. D. L. Northrup
Technical Director, AFOAT-1
Office for Atomic Energy, DCS/O
Department of the Air Force
Washington 25, D.C.

SUBJECT: Classified Material Transaction No. 10544

Dear Dr. Northrup:

Upon his return from a trip yesterday, Dr. Teller picked up his campus mail and was horrified to discover the classified data for which I am enclosing a receipt among the other correspondence.

Since the documents were mailed to him from your office on March 23rd, it is likely that they spent from March 26 until April 1 in an open mail box in an area to which a large number of uncleared people have access. Fortunately, inspection of the envelope indicates no evidence of tampering; however, because of the exceedingly sensitive nature of the material involved and because of the potential seriousness of such a security "incident", we thought you should be notified immediately.

Since we have received classified data from you in the past properly addressed, we assume that this must be a clerical error. Dr. Teller is away from the area a great deal, and his campus correspondence has stayed dormant for as long as several weeks, so I should appreciate your determining that the proper facility for his classified mail is established in Air Force records as the Berkeley Laboratory site as shown on our letterhead.

Through our AEC Security people, we have established proper Air Force facility clearance for this office; however, judging by the amount of mail received which is misaddressed, this information has not filtered down to the specific offices involved, so any assistance you can furnish would be greatly appreciated.

Dr. Teller left this morning for another extended trip, but I understand he plans to contact you at home on April 8 to arrange for a discussion of the material.

Sincerely yours,

(Mrs.) Joan Jaffray
Adm. Assistant

FOR: EDWARD TELLER

cc Mr. T. A. Barnum,
AF Security, Oakland
Mr. K. Heard
AEC Security, Oakland

EDWARD TELLER

USAF : BSDAG

1962-1967

SECRET

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Air Force Unit Post Office, Los Angeles 45, California

REPLY TO
ATTN OF: BSR

SUBJECT :

MAR 20 1962

TO: Dr. John S. Foster, Jr.
University of California
Lawrence Radiation Laboratory
P. O. Box 808
Livermore, California

Dear Dr. Foster

We are forwarding the attached material as requested by Dr. Teller at our recent meeting of the BSD Advisory Group at Livermore.

Please advise Dr. Teller that copies of this material are also being sent to Dr. Albert Latter and to Professor Lester Lees.

Sincerely

for GERARD A. LA ROCCA
Colonel, USAF
Military Representative, BSD Advisory Group

3 Atch
1. Memo,dtd 26 Dec 61, subj: Alternative MMRBM Developments,61-6810, cy 2-A (S).
2. MMRBM Statement of Work, BSW 62-19, cy#495 (S-RD).
3. MMRBM Review/Teller Briefing,dtd 12 Mar 62, A2AW-0000-00227,cy#5, (S-RD)

All three destroyed 9/17/64

If classified attachments are withdrawn or not attached, the classification of this correspondence will be downgraded to UNCLASSIFIED.

RESTRICTED DATA
ATOMIC ENERGY ACT 1954

BSRDI-61

SECRET

Col. La Rocca
Deputy of Tech. Development
Ext. 1288, 15-92 + 15-93.
ORO-1444,

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Air Force Unit Post Office, Los Angeles 45, California

Office of Commander

FEB 24 1962

Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

ORO-1444

Dear Dr. Teller

It is with great pleasure that I confirm our telephone conversation concerning your acceptance of the Ballistic Systems Division Advisory Group Chairmanship. As I have discussed briefly, the vital need for such an organization is to obtain scientific inputs at the early stages of program formulation rather than as an after-the-fact program review.

There may be some questions on your part concerning the purpose and operation of this Group. Since this is the first of its kind at BSD we have no established precedents. We have written up, nevertheless, the Terms of Reference which I have enclosed for your information and basic guidance. If you have any additional questions, please feel free to contact me or General Ostrander, my Vice Commander, or in our absence, Colonel Gerard LaRocca.

In view of my extreme interest in this matter, I would like to suggest that either I or General Ostrander meet with you at your earliest convenience to select the balance of the membership and firm up on an early date for the first meeting of the Group.

Sincerely

T. P. GERRITY
Major General, USAF
Commander

1 Atch
Terms of Reference

P.S. I have been unable to contact Dr Steves so far. I will see him in Washington Feb 26th and will call you afterward to arrange for a meeting with you Jon

HEADQUARTERS AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE: ANDREWS AIR FORCE BASE
WASHINGTON 25, D. C.

Office of the Commander

21 MAR 1962

Dr. Edward Teller
Laurence Radiation Laboratory
University of California
Berkeley, California

Dear Dr. Teller

1. I am most pleased and gratified by your acceptance of the Chairmanship of the Ballistic Systems Division Advisory Group.

2. The Division Advisory Groups can be of great assistance in providing timely advice and guidance on the many pressing problems that face us today. Your aid in evaluating the BSD programs and plans will largely assure the best utilization of available resources and technology. I consider it most urgent that the advisory group provide its scientific support during the formative stages of a program to minimize the number of severe unforeseen problems and to assure prompt remedial action on difficulties that may appear during program development. Under your adept chairmanship I am confident that these objectives will be accomplished by the BSD group.

3. I am looking forward to the opportunity of meeting with you to further discuss objectives and to personally express my appreciation for your acceptance of this vital position.

Sincerely

B. A. SCHRIEVER
General, USAF
Commander

EDWARD TELLER
USAF - BSDAG
1962

LL1 Gb

M

LAWR RAD LAB

OA 417 V SF 1362 NBR 17

P 162355Z

FM SCIENTIFIC ADVS BOARD OFFICE CHIEF STZFF HQ HSAF WASH DC

TO RUWPAR/DR EDWARD TELLER LAWRENCE RADIATION LAB UNIV OF CALIF

BERKELEY CALIF

AF GRNC

BT

UNCLAS FROM AFCSA 70665

A JOINT MEETING IS DESIRED BY GEN SCHRIEVER AND DR STEVER

TO BE ATTENDED BY CURRENTLY APPOINTED CHAIRMEN OF AFSC DIVISION

ADVISORY GROUPS AND BY AFSC DIVISION ADVISORY GROUP COMMANDERS WHO

ALREADY HAVE SAB SPONSORED DIVISION ADVISORY GROUPS OR ARE TO ACQUIRE

SUCH GROUPS. THE MEETING IS TO BE HELD AT HEADQUARTERS

AFSC IN GEN SCHRIEVER,S OFFICE DURING THE AFTERNOON OF

2 APRIL. PURPOSE OF THE MEETING WILL BE TO DISCUSS ONGOING

EFFORT⁷₈ CURRENT ACTION ITEMS⁷₈ FUTURE PLANS AND WAYS AND MEANS

TO FURTHER ENHANCE DAG ACTIVITIES AND EFFECTIVENESS. DETAILED

AGENDA IS BEING PROVIDED UNDER SEPARATE COVER. PLEASE ADVISE

REGARDING YOUR ATTENDANCE PLANS.

BT

17/0001Z MAR RJEZHQ

RECEIVED
COMMUNICATIONS
OFFICE
MAR 19 8 46 AM '62
LRL BERKELEY

CALLED
EXT 5449 BLDG 50 ROOM 149
TIME 9:35
DATE MAR 1 6 1962 FM. 382
BY

EDWARD TELLER
USAF - BSDAG

AIR FORCE BALLISTIC SYSTEMS DIVISION ADVISORY GROUP
TERMS OF REFERENCE

1. PURPOSE: The purpose of this document is to formalize the mission, organization, and functions of the Air Force Ballistic Systems Division Advisory Group, established by the Chairman, Scientific Advisory Board and the Commander, Ballistic Systems Division, Air Force Systems Command.

2. MISSION: The mission of the Ballistic Systems Division Advisory Group is to provide technical counsel and guidance to the Commander, Ballistic Systems Division, in the fields of ballistic systems and associated technology.

3. ORGANIZATION: The organization of the Ballistic Systems Division Advisory Group will be:

a. Membership and Chairman: Members and consultants of the Group will be selected from the active member and consultant list of the SAB and, as requirements indicate, from outside the SAB. In this latter case, consultantship on the SAB will accompany membership or consultantship on the DAG. Appointment of members to the Group will normally be on a year to year basis to permit changes in Group membership in order to accommodate the shifting nature of the Division's problems. The chairman, members and consultants of the DAG will be selected by the Chairman, SAB, in consultation with the Division Commander.

b. Military Representative: The military representative to the Group will be provided by the Commander BSD, and will be an ex-officio member of the Group.

c. Panels: The Chairman may apportion the Group membership among appropriate Technical Panels to facilitate the consideration and resolution of assigned problems and the administration of Group business.

USAF - BSD AG

d. DAG Secretariat: The Secretariat for the Group will be provided by the Commander, BSD and will perform the following functions:

(1) Inform members of the schedule of meetings and activities.

(2) Prepare agendas for Group meetings and make arrangements for participation of Air Force agencies, as required.

(3) Prepare material for Group consideration.

(4) Make proper distribution of Group reports, recommendations, and minutes of meetings.

(5) Keep Group Members informed of Air Force plans, programs, and activities in the field of ballistic systems and related technology.

(6) Perform other duties necessary to the proper functioning of the group.

e. SAB Secretariat: In accordance with normal SAB panel and ad hoc activities, and under the direction of the Chairman, SAB the SAB Secretariat will be responsible for administrative matters pertinent to Group activities embracing security, travel, budget and the execution of Civil Service procedure relative to the acquisition of services of Group members who are not already members or consultants of the SAB. Depending on circumstances, and in aid of facilitating ease of operations, the SAB Secretariat may delegate certain aspects of these responsibilities to the AFSC Secretariat located at Headquarters, AFSC or BSD.

4. <u>FUNCTIONS:</u> The task of the Divison Advisory Group will be to treat broad scientific/technical and allied policy problems identified by the Division Commander; finding and defining problems of similar nature (not already identified) but falling within the Division's purview; and, improving communications between Divisions and the SAB. It will also act as a Board of Visitors to provide a sounding board for new technical or management ideas

resulting from Division studies. It will be the responsibility of the Chairman of the Group to keep the Chairman, SAB informed of progress and activity. It will also be his responsibility to keep the SAB Secretariat informed of meetings and activities for administrative purposes.

5. MEETINGS: Division Advisory Group meetings will be held at times jointly specified by the Group Chairman and the Commander, BSD. Panel meetings may be held at the call of the Group Chairman, with a Member appointed by the Group Chairman serving as Panel Chairman.

6. REPORTING: The Advisory Group is responsible to and will report directly to the Division Commander. Findings and recommendation of the Group will not carry the endorsement of the SAB unless the subject matter is acted upon by the Board acting in its official capacity as advisory to the Chief of Staff.

GERARD E. LEDOUX
Colonel, USAF
Military Representative, BSD Advisory Group
Deputy for Technical Development, BSD(DDR)

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Air Force Unit Post Office, Los Angeles 45, California

REPLY TO
ATTN OF: BSR

SUBJECT :

MAY 1 1962

TO: Professor Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

Dear Professor Teller

The purpose of this letter is to advise you of procedures which you should follow in claiming reimbursement for travel and other expenses incurred by you in connection with activities in our Ballistic Systems Division Advisory Group. Please itemize your expenses, giving the date and place, and forward to Headquarters USAF, Attn: AFCSA, Secretariat, Scientific Advisory Board, Wash 25, DC. There is no prescribed form or format for making this submission.

If you should have any questions or experience any difficulty in these matters, please do not hesitate to call upon me for assistance.

Sincerely

for GERARD A. LAROCCA
Colonel, USAF
Military Representative, BSD Advisory Group
Deputy for Technical Development, BSD(BSR)

THE UNIVERSITY OF CALIFORNIA

CLARK KERR
President

HERBERT F. YORK
Chancellor at San Diego

OFFICE OF THE CHANCELLOR
LA JOLLA, CALIFORNIA

May 25, 1962

Major General T. P. Gerrity, USAF
Commander, Ballistic Systems Division
Air Force Unit Post Office
Los Angeles 45, California

Professor Edward Teller
Lawrence Radiation Laboratory
University of California, Berkeley
Berkeley 4, California

Dear Edward:

As the enclosed letter to General Gerrity states, I have found it impractical to be a member of your Ballistic Systems Division Advisory Group. As you know, I have, in the past, been unable to attend because of conflict of dates, a situation which I do not expect to be alleviated in the future.

I wish you the best of luck in the affairs of this committee, which I realize is very important. It is with genuine regret that I feel that I must decline membership.

Sincerely,

Herbert York
Chancellor

Enclosure

UNIVERSITY OF CALIFORNIA, SAN DIEGO
LA JOLLA, CALIFORNIA

OFFICE OF THE CHANCELLOR

May 25, 1962

Major General T. P. Gerrity, USAF
Commander, Ballistic Systems Division
Air Force Systems Command
U.S. Air Force
Air Force Unit Post Office
Los Angeles 45, California

Dear General Gerrity:

Early this year, at the personal request of General Ostrander, I agreed to join your advisory committee on ballistic systems. At that time, the committee was in the very earliest stages of formation, and you had not yet been able to assemble very much in the way of an advisory group. Because of the slow start you were making, at that time, in assembling a group, I agreed to accept. Since that time, a very talented group of advisors has been assembled and has had a number of meetings, chaired by Dr. Edward Teller. As you probably know, I have found it impossible, to date, to attend any of the meetings of the advisory committee. The reason, in each case, has been conflict with other major obligations that I have for the University, or, in some cases, other agencies of the United States Government. I do not expect this situation to be any better in the future than it has been in the past, and for this reason, as well as my confidence that you now have an eminently qualified committee without me, I am not accepting the invitation, tendered in your behalf, by Colonel James Miller, on April 18, 1962.

In spite of my not accepting your invitation, I wish to assure you of my very great interest in your program, and I wish to add that I would be glad, at any time, should a problem arise where you would wish to have my personal advice, to talk with any member of your command, either here in San Diego, or, perhaps, on occasion, in Los Angeles.

I am enclosing all of the various forms and other documents that your office has forwarded to me in this matter.

Sincerely,

ORIGINAL SIGNED BY
HERBERT YORK

Herbert York
Chancellor

Enclosures
cc: Edward Teller

EDWARD TELLER
USAF - WSDAG

September 6, 1962

Colonel Clyde D. Gasser, USAF
Secretary, Scientific Advisory Board
Office of the Chief of Staff
Department of the Air Force
Headquarters, U. S. Air Force
Washington 25, D. C.

Dear Colonel Gasser:

Thank you for your memorandum of August 22. I have no direct comments to make on AFCSA message 72524, but I do have an inquiry.

I am anxious to be informed about decisions concerning the DAG's. In particular, I wish to clarify as soon as convenient the relation between our DAG and Lester Lees' Panel. It has been suggested that his Panel should be absorbed by our DAG. Because of the reorganization I have not taken any steps. It would seem to me, however, that the closest cooperation and perhaps the fusion of our DAG with Lester Lees' Panel would be a good move.

I would appreciate information and advice.

Sincerely yours,

Edward Teller

ET:gg

cc: Dr. Guy Stever

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D. C.

22 August 1962

SUBJECT: SAB Reconstitution Activities

TO: As noted below

1. Reference AFCSA message 72304 dated 6 August 1962, it will be very much appreciated if those who have not already responded will do so at the earliest possible time on behalf of the following matters:

a. Recommend any changes deemed appropriate to Air Force Regulation 20-30 (on the charter of the SAB).

b. Recommendations (by Chairmen) on reconstituted membership for their respective panels using totals cited in AFCSA message 72304. No action is desired in this instance regarding SAG's.

2. Applicable responses to item 1(a) above are needed immediately and those regarding 1(b) by not later than 15 September 1962.

CLYDE D. GLOVER
Colonel, USAF
Secretary
Scientific Advisory Board
Office of the Chief of Staff

cc- Dr. Shever
Prof. Perkins
Gen. Ferguson
Dr. Carter

DISTRIBUTION:

Dr. Alexander H. Flax
Prof. Loren D. Carlson
Mr. George E. Valley, Jr.
Dr. Gerald F. Dinneen
Dr. Jesse Orlansky
Dr. William H. Radford
RAdm Paul A. Smith
Dr. Ernst H. Plesset
Dr. Brian O'Brien
Dr. S. W. Herwald
Dr. Edward Teller
Dr. Albert V. Milliken

EDWARD TELLER
USAF : BSDAG

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D. C.

22 August 1962

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CLYDE D. GASSER
Colonel, USAF
Secretary
Scientific Advisory Board
Office of the Chief of Staff

cc- Dr. Stever
Prof. Perkins
Gen. Ferguson
Dr. Carter

DISTRIBUTION:

Dr. Alexander H. Flax
Prof. Loren D. Carlson
Dr. George E. Valley, Jr.
Dr. Gerald P. Dinneen
Dr. Jesse Orlansky
Dr. William H. Radford
R/Adm Paul A. Smith
Dr. Ernst H. Plesset
Dr. Brian O'Brien
Dr. S. W. Herwald
Dr. Edward Teller
Dr. Clark F. Millikan

EDWARD TELLER
USAF - WSDA

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LAWR RAD LAB

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FM SCIENTIFIC ADVISORY BOARD OFFICE CHIEF STAFF HQ USAF WASH DC

TO RUWPAR/DR EDWARD TELLER LAWRENCE RADIATION LAB UNIVERSITY CALIFORNIA

BERKELEY CALIF

RUWPWP/DR CALRK B MILLIKAN CALIFORNIA INSTITUTE OF TECHNOLOGY

1201 E CALIFORNIA ST PASADENA CALIF

AF GRNC

BT

UNCLAS FROM AFCSA 72524

AS THE RESULT OF THE SPECIAL SAB MEETING HELD ON 4 AUGUST 1962 ON THE RECONSITIUTION OF THE BAORD $\frac{7}{8}$ THE SECRETARY OF THE AIR FORCE IS BEING ADVISED THAT $\frac{1}{2}1\frac{3}{4}$ THE BOARD WILL REPORT BEGINNING IMMEDIATELY TO BOTH THE SECRETARY OF THE AIR FORCE AND TO THE CHIEF OF STAFF $\frac{7}{8}$ USAF $\frac{1}{2}2\frac{3}{4}$ THE BOARD WILL BE REDUCED TO 70 REGULAR MEMBERS TO BE REQUESTED ON BEHALF OF AFSC DIVISION ADVISORY GROUPS WHEREIN THE SAB WILL PROVIDE A CHAIRMAN AND A SMALL NUCLEUS FROM ITS REGULAR MEMBERSHIP FOR THE RESPECTIVE DAG,S WITH SUCH ADDITIONAL ADVISERS

EDWARD TELLER
USAF - BSDAG

AS MAY BE NEEDED BEING ACCOMMODATED ON AFSC ROLLS. DURING THE 4 AUGUST MEETING IT WAS AGREED THAT THE RECONNAISSANCE PANEL WILL BE ELIMINATED LEAVING 11 ACTIVE PANELS. RECONNAISSANCE ACTIVITIES WILL BE CONTINUED ON AD HOC BASIS AS IS CURRENTLY THE CASE IN THE COUNTERINSURGENCY AREA. THE BASIC RESEARCH PANEL IS TO BE CONTINUED WITH ITS ROLE/ MISSION AND COMPOSITION TO BE DISCUSSED FURTHER DURING THE OCTOBER EXECUTIVE COMMITTEE SESSION. IF AGREEABLE TO DR VALLEY AND TO DR O,BRIEN/ IT IS PLANNED THAT DR O,BRIEN WILL BECOME A MEMBER OF THE BASIC RESEARCH PANEL. THE CATEGORIES OF MEMBERS-AT-LARGE AND CONSULTANT-AT-LARGE ARE TO ELIMINATED. GEN MCCORMACK WILL HENCEFORTH SERVE ON THE ARMS CONTROL PANEL. DR SHEINGOLD WILL/ IF HE AGREES/ SERVE ON THE ELECTRONICS PANEL. MR HORNER/ IF HE AGREES/ WILL SERVE IN THE AEROSPACE VHICLES PANEL. APROPOS OF THE GOAL OF 70 REGULAR MEMBERS TO BE ACHIEVED BY 1 JANUARY 1963/ IT WILL BE NECESSARY FOR PANEL CHAIRMEN TO SUBMIT TO THE SAB SECRETARIAT BY NOT LATER THAN 15 SEPTEMBER/ REVISED MEMBERSHIP TOTALS FOR THEIRANELS AS FOLLOWS⊕ THE TOTALS GIVEN ARE THOSE AGREED UPON DURING THE 4 AUGUST MEETING AND PANEL COMPOSITION SHOULD BE SELECTED FROM EXISTING MEMBERS AND CONSULTANTS OR/ IF APPLICABLE/ FROM THOSE WHO ARE NOT NOW MEMBERS

OR CONSULTANTS OF THE BOARD. THE NEW MEMBERSHIP TOTALS ARE⊙

AEROMEDICAL AND BUOSCIENCES PANEL - 6⅜ AEROSPACE VEHICLES PANEL -6

½THIS DOES NOT INCLUDE PROF. PERKINS WHO IS ACCOUNTED FOR AS VICE

CHIRMAN⅞ SAB33/4⅜ BASIC RESEARCH PANEL - 2⅜ ELECTONICS PANEL - 7⅜

GEOPHYSICS PANEL -7⅜ GUIDANCE AND CONTROL PANEL - 7⅜ INFORMATION

PROCESSING PANEL - 5⅜ NUCLEAR PANEL - 7⅜ PROPULSION PANEL - 6⅜

PSYCHOLOGY AND SOCIAL SCIENCES PANEL - 5⅜ ARMS CONTROL PANEL - 4⅜

IN ARRIVING AT THE DESIRED MEMBERSHIP⅞ EACH PANEL CHAIRMAN SHOULD

BEAR THE FOLLOWING POINTS IN MIND⊙ ½1¾ THE MAXIMUM NUMBER GIVEN MAY

BE ACQUIRED FROM UNIVERSITIES⅞ NON-PROFIT ORGANIZATIONS AND INDUSTRY⅜

½2¾ INTER-PANEL USE OF CERTAIN INDIVIDUALS AMONG PANELS HAVING

COROLARY INTEREST SHOULD BE BORNE IN MIND INASMUCH AS SUCH ACTION

WILL ENHANCE TH OVER-ALL STRENGTH OF RESPECTIVE PANELS⅜ ½3¾FULL-

TIME GOVERNMENT EMPLOYEES OF AGENCIES OTHER THAN THE AIR FORCE CAN

SERVE ON PANELS AND WILL NOT BE CHARGED AGAINST TOTAL QUOTAS⅜ ½4¾

FOR DR STEVER⅞ THE SECRETARIAT WILL REQUIRE ASSISTANCE IN THE

INSTANCE OF CLARIFYING THE MEMBERSHIP INCLUDING THE CHAIRMAN OF THE

ARMS CONTROL PANEL. NEW SUBJECT⊙ DURING THE 4 AUGUST MEETING THE

NEW REGULATION GOVERNINX THE USAF SCIENTIFIC ADVISORY BOARD WAS

DISCUSSED GENERALLY AND ALL PANEL CHAIRMEN WERE REQUESTED TO

DEPARTMENT OF

PAGE FOUR RUEAHQ GQPIO

CRITIQUE THIS REGULATION AND PROVIDE DESIRED CHANGES. THIS ACTION SHOULD BE COMPLETED BY 15 AUGUST. IN THOSE INSTANCES WHERE PANEL CHAIRMEN WERE ABSENT $\frac{7}{8}$ COPIES OF THE REGULATION ARE BEING DISPATCHED BY MAIL THIS DATE. YOUR ASSISTANCE IN THIS MAATER IS VERY MUCH APPRECIATED.

BT

06/2219Z AUG RUEAHQ

CALLED Gen
EXT 8746 BLDG 112 ROOM
TIME 10:50
DATE AUG 6 1962
BY EXT. 362

NNNN ACK ONE PLS

REC ONE MSG FOUR PAGES LONG TNX L END

END

[redacted]

[redacted] September 1961

Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley, California

Dear Dr. Teller

This is in response to your letter of 6 September 1961 regarding your DAB and activities of Senior Users' panel, and the desirability of an organizational affiliation.

I regret to say that at this time, circumstances continue to remain somewhat indeterminate regarding all DABs. The reasons for this are still incomplete reorganizational measures, and the fact that we have been unable to schedule a meeting between Dr. Brown and Gen Schriever for the purpose of defining and agreeing upon new DAB Terms of Reference.

It is our hope that these matters can be resolved soon thereby permitting us to inform appropriately all DAB chairmen. Included in your instance and that of Senior Users will be advice regarding any activity consolidation possible. Until then, it is suggested that your DAB continue to operate on the basis that it has in the past.

Sincerely yours

[redacted]
Colonel, USAF
Secretary
Scientific Advisory Board
Office of the Chief of Staff

cc: Dr. Brown
W/O Billy Gray

1:30 pm October 4

Cal Peterson + Capt Kittilstab

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Air Force Unit Post Office, Los Angeles 45, California

REPLY TO
ATTN OF:

SUBJECT :

September 19, 1962

AUG 9 - 1962

TO: Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

Dear Dr. Teller

I am sending you the attached paper by Dr. Zielimski of Brush Beryllium Company on the chance that it may interest you. This paper has not been reviewed to any extent by the Air Force and no Air Force

Colonel Harry F. Bunze, USAF
Director, Advanced Plans
Headquarters, Ballistic Systems Division
Air Force Systems Command
United States Air Force
Air Force Unit Post Office
Los Angeles 45, California

Dear Colonel Bunze:

I have your letter of August 9th and enclosed paper by Dr. Zielimski.

I would like to get together with Captain Kittilstab and would suggest that this be early October. I suggest he or you contact my secretary to arrange a mutually convenient date for a meeting either in Livermore or Berkeley.

Sincerely yours,

Edward Teller

ET:gg

Col John Peterson

Director, Advanced Plans

1 Atch a/s

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Air Force Unit Post Office, Los Angeles 45, California

REPLY TO
ATTN OF:

SUBJECT :

AUG 9 - 1962

TO: Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

Dear Dr. Teller

I am sending you the attached paper by Dr. Zielimski of Brush Beryllium Company on the chance that it may interest you. This paper has not been reviewed to any depth by the Air Force and no Air Force sponsorship is intended.

I have learned that we have an industrial hygienist assigned to this organization who is working at Edwards Air Force Base. This individual, Capt Owen Kittilstab, is most familiar with Air Force industrial health problems associated with the use of beryllium in rocket engines. If you desire, we can arrange to have Capt Kittilstab meet with you at a time and place of your choosing. It would be preferable to avoid the last two weeks of August, during which time Mrs. Kittilstab is scheduled to have a baby.

Please let me know if you wish to talk with Capt Kittilstab and I will make the necessary arrangements.

Harry F. Bunze

HARRY F BUNZE
Colonel, USAF
Director, Advanced Plans

1 Atch a/s

Col John Peterson

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Air Force Unit Post Office, Los Angeles 45, California

REPLY TO
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Lawrence Radiation Laboratory
University of California
Berkeley 4, California

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Please let me know if you wish to talk with Capt Kittilstab and I will make the necessary arrangements.

SIGNED

HARRY F. BUNZE
Colonel, USAF
Director, Advanced Plans

1 Atch a/s

October 12, 1962

Lt. Col. William J. Malloy, USAF
BSD Advisory Group
Headquarters, Ballistic Systems Division
Air Force Systems Command
United States Air Force
Norton AFB, California

Dec 7 and 8
10 & 11

Dear Colonel Malloy:

You have heard from Colonel Gould that the dates of 19-20 November have been chosen for the meeting in Livermore.

Accordingly I have reserved blocks of rooms at the motels in Livermore as follows:

10 single rooms at the Town House Motel,
about 18 reservations at the Sands Motel, and
about 10 reservations at the El Dorado Motel.

The total number of reservations probably exceeds the actual requirements, but we can always cut back in a couple of weeks as the reservations come in.

Transportation will be provided as before. The meeting will be in the Orange Room (conference room in Bldg. 112), which has been slighted altered, which gives for a better seating arrangement.

Anything more I can do, please let me know.

Sincerely yours,

(Miss) Genevieve Greteman
Secretary to Edward Teller

DAG
Meeting

November 21, 1962

Lt. Col. John A. Peterson, USAF, MC
Staff Surgeon
Headquarters, Space Systems Division
Air Force Systems Command
United States Air Force
Air Force Unit Post Office
Los Angeles 45, California

Dear Colonel Peterson:

Many thanks for your letter of October 18th, which I have just read upon my return from Europe. I apologize for the delay in getting at this matter and in giving you a reply. I will continue to give this subject consideration.

Sincerely yours,

Edward Teller

ET:gg

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Norton AFB, California

REPLY TO
ATTN OF:

NOV 27 1962

SUBJECT :

TO: Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

Dear Dr. Teller

We have now assembled a tentative agenda for the 12-13 December DAG meeting at Livermore and are sending you a copy for your review and any comments or changes you may wish us to make.

Incidentally, we thought you might wish to continue the discussions on precision decoys during one of the executive sessions. Also, Professor Lester Lees may wish to report on the activities of his Penetration Panel which held a two day meeting here 31 October - 1 November.

On another subject, you had mentioned the possibility of a DAG meeting here at Norton Air Force Base around Christmas time while you are visiting in Indio. If you wish to call a meeting at that time, please give us some possible dates so that we can make tentative arrangements.

Sincerely

Harry F. Bunze

HARRY F. BUNZE
Colonel, USAF
Director, Advanced Plans

1 Atch
a/s

AGENDA

BSD Advisory Group Meeting

12-13 December 1962

Lawrence Radiation Laboratory
Livermore, California

Wednesday, 12 December

0900-0930	SR 199 (Study of Large ICBM, 1959)	Maj P. A. Smith
0930-1100	Growth Potential of ATLAS	LtCol Ralph Hunt
1115-1200	Lunch	
1200-1330	Growth Potential of Titan II	Col John McCoy
1330-1500	Growth through Propulsion Technology	Capt Haffner
1500-1700	Executive Session (DAG Only)	

Thursday, 13 December

0900-1000	NASA Booster Capabilities	Dr. A. Greenberg
1000-1100	Titan III	(Speaker not yet Designated)
1115-1200	Lunch	
1200-1400	BSD Plan (Requested by AFSC)	LtCol Gould
1400-1700	Executive Session (DAG Only)*	

*Tour of LRL facilities for those not attending executive session.

Atch 1

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Norton AFB, California

REPLY TO ATTN OF: BSRA/LtCol Malloy/5895 4 December 1962

SUBJECT : Final Arrangements for 12-13 December BSD Advisory Group Meeting

TO: All BSD/DAG Participants

1. Please note revisions to agenda attached. The Titan III and NASA items have been moved from Thursday up to Wednesday and the Titan II and Propulsion Technology presentations have been moved from Wednesday to Thursday.

2. Motel accomodations at Livermore are very limited. However, Dr. Teller's secretary has reserved a number of rooms for the BSD/DAG party. Individuals will not be assigned to specific rooms until about 7 December when we hope to know the names of all those who will be attending the meeting. If you had asked us to make motel reservations for you, please do not worry. You will have accomodations.

3. Please return the questionaires, previously mailed to you, if you have not already done so. Special security clearance, on AEC Form 277, is required. Contact Mrs. Rutherford, Hq SBAMA (SBBBSS), Norton AFB, X-5108 if you have any questions about visitor clearance. This office has taken care of visitor clearance for the BSD/DAG members/consultants and the BSD Commander only.

4. Please keep the evening of 12 December, Wednesday, open for a group dinner. Time and place will be announced when we arrive at Livermore.

5. This promises to be a very interesting meeting. We hope to see you there.

Harry F. Bunze

HARRY F. BUNZE
Colonel, USAF
Director, Advanced Plans

2 Atch
1. Agenda
2. Transportation Arrangements

Op O - 14444
Ca Orders x2961
Ajke

AGENDA FOR DRIVERS FOR AIR FORCE MEETING

Any questions, call Gen at Berkeley ext 5848 or Livermore ext 7401

Tuesday
Dec. 11 — 9:30 p.m. — Two planes arrive Hayward Airport (both T-29s, Nos. 133 and 943,

One from Los Angeles BSD with 13 people & one from Norton AFB with 15 people.

Bus driver should stay in touch with Air National Guard at Hayward Airport. In case of heavy fog and planes can't land at Hayward, then ANG will know where planes will land and bus should go there if possible---maybe it will be Alameda Naval Air Station.

Bus should take people to Livermore motels, per attached list. There will be no Generals on these planes, so one bus is o.k.

about 10:15 p.m — Arrive at Livermore motels.

Wednesday
Dec. 12 — 8:15 a.m. — Bus pick up at motels, except that

a car will have to pick up General Compton at Town House Motel,

and bring to Lab cafeteria, Bldg. 199, near West Gate for breakfast at 8:30 a.m.

9:00 a.m. — Meeting starts in Orange Room.

about 5:00 p.m. — Meeting ends and

Bus & 2 cars if possible be ready to take all to Castlewood Country Club for dinner---

It may be that some will want to stop by motels to freshen up.

? p.m. — Bus and cars take all back to Livermore motels.

Thursday
Dec. 13 — 8:15 a.m. — Pick up at motels again---this time General Compton and General Davis at the Town House and bring to Lab Cafeteria, West Gate, for breakfast.

9:00 a.m. — Meeting commences in Orange Room

about 5:00 p.m. — Meeting ends and
Bus and car or cars be prepared to take people to Airport, Hayward, if not fogged in.

TOWN HOUSE MOTEL
1241 - 1st Street
Livermore, California
Phone: HI 7-3865

General K. K. Compton - single - ~~11th & 12th~~ No motel
Col Joseph Bleymaier — 12th only
General W. A. Davis - single — 12th only

Dr. Ivan Getting, Pres. - single - 12th only, very late arrival
Aerospace Corporation

James Selna)
H. S. Becker) — 11th ~~& 12th~~ only

~~Eugene Graham)~~
T. Walston) 11th & 12th

Dr. Toru Iura) 11th & 12th
Mr. H. Wisemen)

Colonel Donald Selbie
or
Lt. Col. Wiley (alternate) } ~~11th & 12th~~ only — Term LRL after 3 o'clock
&
Lt. Col. Frank Coleman

Lt. Col. C. Holland)
Major P. Badger) 11th & 12th

Major Arthur C Fiedler — 11th only
~~Lt Col William J. Henderson - single - 11th only~~

~~Colonel Glenn J. Schaffer - single - 11th only~~

Dr Wm. H. Dorrance — 11th + 12

Dr Martin Goldsmith - 12th

SANDS MOTEL
3787 - 1st Street
Livermore, California
Phone: HI 7-6500

Dr. Marshall Rosenbluth - single -11th & 12th

Dr. Paul Blasingame - single - 11th & 12th

Dr. David Altman - single - 11th & 12th

Dr. De Lauer 11th only ?

~~Lt. Col. Billy Gray - single - 11th & 12th~~

Dr. Bruce McKay - single - 11th & 12th

Dr. G. L. Armstrong - single - 11th & 12th.

Colonel Oliver B. Bucher - single - 11th & 12th

Mr. William E. Wakely - single - 11th & 12th.

Lt. Colonel Richard Randall - single 11th & 12th

Colonel John McCoy - single - 11th only

✓ Dr. Charles S. Draper - single - 12th only (very late arrival - sometime after 2:00 a.m.)

not coming ~~Major Ralph G Backes~~) - double - 11th & 12th
Lt Col Ralph M Hunt)

Capt R W Haffner
~~Major Paul A Smith~~)
Capt James Collier) - double - 11th & 12th

You already have

Dr. Arthur Kantrowitz - 11th only

Lt Col Victor M White - 11th & 12th

E H Krause - 11th & 12th

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Norton AFB, California

EL DORADO MOTEL
Stockton Highway
Livermore, California
Phone: HI 7-2348

Dr. Albert Latter - single - 11th & 12th

~~Dr. Richard Latter - Single - 11th & 12th~~

~~Colonel William A. Walker~~ - 5 doubles - 11th & 12th

Lt Col Arthur V Jackson

Major John A Barricklow

Colonel A. L. Wallace

Colonel John F Harris

Major Paul A. Smith - 11th only

Lt Col George P Gould

Lt Col William J, Malloy

Colonel H F Bunze

Colonel R H Mitchell or Col R.H, Farwell

Dr Carl Kaysen
George E Smith) 11th only

SIGNED

1 incl
n/c

no motel
Dr. Greenberg

for him - 27 people

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Norton AFB, California

REPLY TO
ATTN OF:

SUBJECT :

NOV 27 1962

TO: Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

Dear Dr. Teller

We have now assembled a tentative agenda for the 12-13 December DAG meeting at Livermore and are sending you a copy for your review and any comments or changes you may wish us to make.

Incidentally, we thought you might wish to continue the discussions on precision decoys during one of the executive sessions. Also, Professor Lester Lees may wish to report on the activities of his Penetration Panel which held a two day meeting here 31 October - 1 November.

On another subject, you had mentioned the possibility of a DAG meeting here at Norton Air Force Base around Christmas time while you are visiting in Indio. If you wish to call a meeting at that time, please give us some possible dates so that we can make tentative arrangements.

Sincerely

SIGNED
HARRY F. BUNZE
Colonel, USAF
Director, Advanced Plans

1 Atch
a/s

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Norton AFB, California

Office of the Commander

20 DEC 1962

Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

Dear Dr. Teller

It is difficult for me to find words to express my appreciation for your generous hospitality to me and the others attending the BSD/DAG meeting at Livermore on 12-13 December. In particular, the evening at the Castlewood Country Club was most relaxing and enjoyable. In spite of the seriousness of our meeting and its purpose, I must admit that I thoroughly enjoyed every minute of it.

As was the case for our July meeting at Livermore, I know that the heavy burden of detailed arrangements fell upon your charming and capable secretary, Miss Genevieve Greteman. I hope she will forgive us for the many last minute changes in billeting and transportation requirements. I also wish to thank the girls in the outer office for being so kind and helpful in receiving and placing telephone calls and many other services to my personnel.

I feel that we made considerable progress at the meeting and that, I can now proceed with confidence in reporting to General Schriever on our plans for further study of the problem.

Thank you again for the pleasant time at Livermore.

Sincerely

W. A. DAVIS
Major General, USAF
Commander

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Norton AFB, California

REPLY TO
ATTN OF:

SUBJECT :

TO: Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

JAN - 4 1963

Dear Dr. Teller

As was decided at Livermore on 12-13 December, the BSD Advisory Group will hold its next meeting in Los Angeles on Thursday and Friday, 17-18 January 1963. The agenda will include discussions of proposed nuclear tests in the areas of EMP, earth shock, vulnerability and blackout; large payload potential of solid fuel boosters; and Atlas E/F test problems.

Effective 1 January 1963, the BSD/DAG will be composed of the following five full-time members sponsored by the USAF Scientific Advisory Board:

Dr. Edward Teller (Chairman)
Dr. C. S. Draper
Dr. Antonio Ferri
Dr. Albert Latter
Dr. William G. McMillan

General Davis will also be able to call upon certain pre-designated special advisors to assist the DAG when needed to treat specific technical areas. We are now awaiting General Schriever's approval of our proposed list of special advisors. Hopefully the neeessary administrative action with respect to special advisor appointments can be completed prior to our 17-18 January meeting. In any event, it is now more important than ever that each of you attend all future meetings.

The 17-18 January meeting will be held from 0900-1700 both days in the Space Systems Division Command Presentation Center, Bldg 3, Arbor Vitae Complex, 5760 Arbor Vitae Street, Los Angeles 45, California. Special security badges will be ready for you in the front lobby of Bldg 3. The Command Presentation Center may be reached at ORchard 0-1444, extension 2136. A group dinner is planned for the evening of 17 January.

The Space Systems Division Protocol Office will arrange for your reservations (Ramada Inn, 9620 Airport Boulevard, Los Angeles 45, California, Telephone: ORchard 0-1600) and transportation from the International Airport. In this regard, please transmit your hotel requirements and flight numbers and times of arrival, if transportation is desired, to Headquarters, Space Systems Division, Los Angeles 45, attention Miss Jean Cooke, SSGP, telephone ORchard 0-1444, extension 2931.

WILLIAM J. MALLOY
Lt Colonel, USAF
Secretary
BSD Advisory Group
BSRA

[redacted]

[redacted]

[redacted]

SUBJECT: Meeting of the BSD/TAG

TO: Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

1. The next meeting of the Ballistic System Division Advisory Group has been scheduled for 25 and 26 July 1963 in Los Angeles, California. The subjects scheduled for discussion and a list of invitees are attached for your information and/or comment.

2. Please let us know at your earliest convenience whether your schedule will permit you to attend. Additional details will be furnished to you prior to the meeting.

Frank R. Haggerty

FRANK R. HAGGERTY
Lt Colonel, USAF
BAG Secretariat

2 Atchs
1. Scheduled Subjects for Discussion
2. Invitees

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D. C.

AFBSA

12 July 1963

SUBJECT: Letter of Authorization

TO: Dr. Edward Teller
Dr. C. S. Draper
Dr. Antonio Ferri
Dr. Albert Latter
Dr. William McMillan
Prof. David Griggs
Dr. John Foster

1. You are invited to attend a meeting of the Ballistic Systems Division Advisory Group to be held on 25-26 July 1963 in Los Angeles, California.

2. In accordance with the provisions of your current travel orders you are authorized to proceed from your respective addresses to Los Angeles, California and return with variations in itinerary as may be necessary.

Kent P. Howard.
KENT P. HOWARD
Lt Colonel, USAF
Asst Secretary
USAF Scientific Advisory Board

October 2, 1963

Dr. Antonio Ferri
General Applied Science
Laboratories, Inc.
Merrick and Stewart Avenues
Westbury, L.I., New York

Dear Tony:

Thanks for your letter of September 27th. I am of course most interested.

In the meantime the chairmanship of the BSDAG has been taken over by Dave Griggs. I am sending him a copy of your letter. I shall try to be present when you make your presentation. If I cannot manage, would it be possible for you to stop in Livermore on your way and tell me the story?

With best regards,

Edward Teller

ET:gg

cc: Dr. David T. Griggs

GENERAL APPLIED SCIENCE LABORATORIES, INC.
MERRICK AND STEWART AVENUES
WESTBURY, L. I., NEW YORK

September 27, 1963

EDgewood 3-6960

Dr. Edward Teller
Professor of Physics-at-Large
and Associate Director
Lawrence Radiation Laboratories
Berkeley 4, California

Dear Dr. Teller:

Recently at General Applied Science Laboratories, we have performed some work in connection with the missile defense. I believe that the results of such a study would be of interest to you and possibly to the DAG Committee, because it deals with the effect of atomic explosion on missile defense. I wonder if you would be interested in having an informal presentation given to you and possibly General Davis in the near future.

In this case, I could arrange such a presentation at GASL's expense.

Best regards.

Sincerely yours,

Antonio Ferri

AF:tb

EDWARD TELLER
USAF - BSDAG

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Norton AFB, California

Office of the Commander

28 OCT 1963

Dr. Edward Teller
University of California
Lawrence Radiation Laboratories
Berkeley 4, California

Dear Dr. Teller

I have now received the official confirmation of Dave Griggs as Chairman of the BSD Advisory Group, and I want to take this opportunity to express my sincere appreciation to you for your adept and inspiring leadership during your tenure as chairman of this group.

You are well aware of the extent to which the Ballistic Systems Division leans on the Advisory Group for advice and guidance in the many pressing problems that face us. I have been greatly impressed by the enthusiasm of the group and the incisiveness with which they have examined our programs. Under your leadership they have certainly played an important part in shaping our future deterrent posture.

In reviewing the difficulties in planning for the critical years ahead I would like, at this time, to solicit your continued participation as a special advisor and Senior Statesman to the BSD Advisory Group. I would appreciate your early decision on whether you will agree to continue your association with the BSD/DAG in this capacity.

May I again express my sincere appreciation for the personal sacrifices you have made supporting the BSD Advisory Group.

Sincerely

W. A. DAVIS
Major General, USAF
Commander

SECRET

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Norton AFB, California

REPLY TO
ATTN OF: BSQ

14 MAY 1963

SUBJECT : Improved MINUTEMAN (Wing VI) System

TO: Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

Destroyed 7/16/65

1. The attached report was prepared to evaluate the cost effectiveness of the MINUTEMAN Wing VI Block Change relative to other options. This report compares the capability of the Wing VI System to other options in dealing with the growing Soviet target system through the next decade. Also, such features of Wing VI MINUTEMAN as flexibility, survivability, and reliability are discussed.

2. This paper is to provide you with a better insight into the potential of Improved MINUTEMAN.

Samuel C. Phillips

SAMUEL C. PHILLIPS
Brigadier General, USAF
Deputy Commander for MINUTEMAN

Atch
Report 10May63 (S/RD)

When inclosures are withdrawn the classification of this correspondence will be down graded to Unclas

RESTRICTED DATA
ATOMIC ENERGY ACT 1954

DOCUMENT NUMBER AF-6121-T232-RA-005

SECRET

AF FORM: (Activity transferring documents)
SUSPENSE DATE
CONTROL NUMBER
PACKAGE NUMBER
DATE

AF FORM 310 JAN 60 PREVIOUS EDITION OF THIS FORM WILL BE USED UNTIL STOCK IS EXHAUSTED.

DOCUMENT RECORD AND RECEIPT

FROM: (Activity transferring documents)	DOCUMENT	DATE	PACKAGE NUMBER	CONTROL NUMBER	SUSPENSE DATE
Hq BSD (BSQ) USAF Norton AFB, California		14 May 1963			
		CLASSIFICATION: SECRET R/D	FILE DESIGNATION: AF-6121-T232-RA-005		

DOCUMENT NUMBER

TO: Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, Californi

DATE DISPATCHED 14 May 1963

INTERNAL ROUTING

TO	DATE	TO	DATE
1.		4.	
2.		5.	
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DESCRIPTION OF DOCUMENT(S) *(Indicate type (letter, indorsement, etc.) and the number of copies; subject, short title if classified; number of indorsements and inclosures, and any other identifying data. Changes in the description (additions, withdrawals, etc.) will be shown with the date and initials of individual making entry.)*

2 cys ltr, subj: Improved MINUTEMAN (Wing VI) System (Uncl W/o Atch) W/1 Atch: Cy #15 report 10May63 (S/RD) same subj//

DOCUMENT RECEIPT

SENDER WILL INDICATE IF RECEIPT IS REQUIRED: ☐ NO ☒ YES *(If YES, recipient will FIRST DETACH TOP COPY, then complete, and return to sender.)*

RECEIVING OFFICE	TYPED OR PRINTED NAME, GRADE AND TITLE OF RECEIVER	SIGNATURE	DATE RECEIVED
LRL	Genevieve Greteman, Admin. Asst.	Gen Greteman	May 17,1963

SECRET
HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Norton AFB, California

AUG 28 1964

March 18, 1964

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to permit you

ning the next DAG meeting at
be unable to attend because of
and Fridays.

al beforehand, please send it
ore the meeting.

ggs from
ely yours,
5-35 (S)
nder's Summary,
dated July 64 (S)RD

Teller

All destroyed 9/17/64

RESTRICTED DATA
ATOMIC ENERGY ACT 1954

SECRET

CLASSIFICATION OF THIS DOCUMENT WILL BE DOWN GRADED TO U.S. UPON REMOVAL OF ENCLOSURES

64-BSRA-109

SECRET

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Norton A/B, Calif. 92409

REPLY TO ATTN OF: BSRA

SUBJECT: BSD Advisory Group (DAG)

AUG 28 1964

March 18, 1964

TO: Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California 94704

Lt. Colonel Frank R. Haggerty, USAF
DAG Secretariat
Advanced Plans Directorate
Ballistic Systems Division
United States Air Force
Norton AFB, California

Dear Colonel Haggerty:

Thanks for your letter of the 11th, concerning the next DAG meeting at Norton AFB on April 2nd. Unfortunately I will be unable to attend because of my class in Livermore on Wednesdays, Thursdays and Fridays.

If you should want me to review any material beforehand, please send it on and I will try to get my comments to you before the meeting.

Sincerely yours,

Edward Teller

ET:gg

DOCUMENT NUMBER BSLR-64-109

THIS LETTER DOES NOT CONTAIN RESTRICTED DATA

NOT RELEASABLE TO FOREIGN NATIONALS

RESTRICTED DATA
ATOMIC ENERGY ACT 1954

SECRET

1. The attached documents are furnished for your retention and
[illegible]ort of Project 75 is one of
[illegible]blished on that effort. Should you desire more
[illegible]e inform me.

[illegible] not produced agenda items of sufficient
[illegible] to the DAG to announce the next meeting.
It is doubtful, therefore, that a meeting will be held earlier
than the last week in September. When a date is selected, I
[illegible] as much time as possible to permit you
to fit it into your busy schedule.

H. W. HAGERTY
Major, USAF
DAG Secretariat

Minutes 10 Aug 64
2. Ltr to United Aircraft, N.M. Lulejian dated 6 Aug 64, 645-35 (S)
3. Proj 75, Commander's Summary, Vol I, BSLR-64-108 dated July 64 (S)RD

DOCUMENT NUMBER Edward Teller

Ltr dtd 9/17/64

This material contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C., Sections 793 and 794. The transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

CLASSIFICATION OF THIS DOCUMENT
WILL BE DOWN GRADED TO U-L
UPON REMOVAL OF ENCLOSURES

64-BSRA-109

SECRET

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Norton AFB, Calif. 92409

REPLY TO ATTN OF: BSRA

SUBJECT: BSD Advisory Group (DAG)

AUG 28 1964

TO: Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California 94704

1. The attached documents are furnished for your retention and review. The Commander's Summary Report of Project 75 is one of eight volumes published on that effort. Should you desire more detailed information, please inform me.

2. At this time we have not produced agenda items of sufficient importance or interest to the DAG to announce the next meeting. It is doubtful, therefore, that a meeting will be held earlier than the last week in September. When a date is selected, I will attempt to provide as much time as possible to permit you to fit it into your busy schedule.

H. W. WANFRIED
Major, USAF
DAG Secretariat
Advanced Plans Directorate

3 Atch
1. BSD Advisory Grp Mtg 64-5 O U O only
Minutes 10 Aug 64
2. Ltr to Dr. Griggs from
United Aircraft, N.M. Lulejian
dated 6 Aug 64, 645-35 (S)
3. Proj 75, Commander's Summary,
Vol I, BSLR-64-108 dated July 64 (S)RD

DOCUMENT NUMBER BSLR-64-109

DOCUMENT NUMBER _____

All Destroyed 9/17/64

THIS LETTER DOES NOT CONTAIN RESTRICTED DATA

NOT RELEASABLE TO FOREIGN NATIONALS

RESTRICTED DATA
ATOMIC ENERGY ACT 1954

This material contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C., Sections 793 and 794. The transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

CLASSIFICATION OF THIS DOCUMENT WILL BE DOWN GRADED TO Unclas UPON REMOVAL OF ENCLOSURES.

64-BSRA-109

SECRET

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Norton AFB, California

REPLY TO
ATTN OF: BSRA

MAR 11 1964

SUBJECT : BSD Advisory Group Meeting

TO: Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California 94704

1. The next BSD Advisory Group Meeting has been scheduled for 2 April 1964 in the Command Presentation Center, Building 520, Hq BSD, Norton AFB, San Bernardino, California. The meeting will be for one day only and will begin at 0900 hours. The purpose of the meeting is to review the final report on Project 75.

2. A T-29 aircraft has been set up to transport you from Los Angeles International Airport to Norton AFB on the morning of 2 April 1964. The aircraft is scheduled to depart at approximately 0800 hours from the ramp in front of the North American Aviation Customer Relations Office, 5751 Imperial Highway. Back-up transportation has been arranged in case of inclement weather.

3. Request you notify me at your earliest convenience if you can attend this meeting and if the above arrangements are satisfactory.

Frank R. Haggerty
FRANK R. HAGGERTY
LtColonel, USAF
DAG Secretariat
Advanced Plans Directorate

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE SYSTEMS COMMAND
ANDREWS AIR FORCE BASE, WASHINGTON, D.C. 20331

26 OCT 1965

Dr. Edward Teller
Professor of Physics at-Large
and Associate Director
Lawrence Radiation Laboratory
Berkeley 4, California

Dear Dr. Teller

Thank you for your letters of 21 September and 4 October, accepting our invitation to become Chairman of the BSD Division Advisory Group.

I know of no individual having a greater demand on his time than you, especially since Johnny Foster's departure. Considering your many commitments, we in Systems Command feel honored that you can assume this additional responsibility.

Your feeling that the number and urgency of Air Force problems have not diminished certainly coincides with my beliefs, and I note with pleasure the almost spontaneous activity of the BSD Division Advisory Group.

On behalf of the Air Force and the Systems Command I want to convey our thanks and great appreciation for your dedication and decision in this matter.

Sincerely

Austin

W. A. DAVIS
Lt General, USAF
Vice Commander

AF BSDAG Meeting

October 2[illegible]

AF FORM 310 JAN 60 — PREVIOUS EDITION OF THIS FORM WILL BE USED UNTIL STOCK IS EXHAUSTED.

DOCUMENT RECORD AND RECEIPT

FROM: *(Activity transferring documents)*
BSD (BSRA)
NORTON AFB CALIF 92409

DOCUMENT

DATE: 28 Aug 64
CLASSIFICATION: SECRET/RD
PACKAGE NUMBER:
FILE DESIGNATION:
CONTROL NUMBER: BSRA-109
SUSPENSE DATE:

INTERNAL ROUTING

TO	DATE	TO	DATE
1.		4.	
2.		5.	
3.		6.	

TO: Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California 94704

DATE DISPATCHED 28 Aug 64

DESCRIPTION OF DOCUMENT(S) *(Indicate type (letter, indorsement, etc.) and the number of copies; subject, short title if classified; number of indorsements and inclosures, and any other identifying data. Changes in the description (additions, withdrawals, etc.) will be shown with the date and initials of individual making entry.*

Ltr of transmittal, Subj: BSD Advisory Group (DAG) dated 28 Aug 64, (S) Uncl w/o Atchs. Atch 1. BSD Advisory Group Meeting 64-5 Minutes dated 10 Aug 64 (~~SECRET~~)U) Atch 2. Ltr to Dr. Griggs from United Aircraft, N.M. Lulejian, dated 6 Aug 64 645-35 (S). Atch 3. Proj 75, Commander's Summary, Vol I, Project 75 BSLR-64-108 dated July 64 (S/RD) Copy No. 275

DOCUMENT NUMBER BSLR-64-109

DOCUMENT NUMBER

PLEASE SIGN AND RETURN IMMEDIATELY TO BSRA.

SENDER WILL INDICATE IF RECEIPT IS REQUIRED: ☐ NO ☐ YES *(If YES, recipient will FIRST DETACH TOP COPY, then complete, and return to sender.)*

DOCUMENT RECEIPT

RECEIVING OFFICE: LRL
TYPED OR PRINTED NAME, GRADE AND TITLE OF RECEIVER: GENEVIEVE GRETEMAN
SIGNATURE: Genevieve Greteman
DATE RECEIVED: 9/16/64

[illegible]v. Station Wagon (Jim Jones)
[illegible]eller and about 10 men from
Villa San Ramon to Dr. Teller's house
in Berkeley, 1573 Hawthorne Terrace.

? Return guests of Dr. Teller to Livermore Sands Motel.

Tuesday 10/26/65 — 8:00 a.m. Bus & Lab Station Wagon (Station Wagon for Gen. McCoy at Sands)
/Pick up men at three motels and
bring to West Cafeteria for breakfast

9:00 a.m. Meeting begins

5:00 p.m. Meeting adjourns and
take back to Hayward Airport
Bus and
Lab Station Wagon for General McCoy.

AF BSDAG Meeting

October 25-26,1965

Jade Room, Bldg. 199
LRL, Livermore

Monday 10/25/65	10:00 a.m.	Air Force plane C-54, #606, Major Bishop, pilot. leave Los Angeles
about	11:30 a.m.	Arrive Hayward Airport National Guard Armory side
		To be met by Laboratory bus and University Station Wagon
		and taken to LRL
		West gate area of Bldg. 199 (West Cafeteria)
	1:00 p.m.	Meeting starts
	5:00 p.m.	Meeting ends
		Bus and Lab Station Wagon take men to motels to drop luggage & check in and then take to
	6:00 p.m. to 9:00 p.m.	Social Hour & dinner at Villa San Ramon, Hwy 21 & Crow Canyon Road (Mr. David Brown) 837-9900
	7:00 p.m.	Lab Station Wagon & Univ. Station Wagon (Jim Jones) take Dr. Teller and about 10 men from Villa San Ramon to Dr. Teller's house in Berkeley, 1573 Hawthorne Terrace.
	?	Return guests of Dr. Teller to Livermore Sands Motel.
Tuesday 10/26/65	8:00 a.m.	Bus & Lab Station Wagon (Station Wagon for Gen. McCoy at Sands) /Pick up men at three motels and bring to West Cafeteria for breakfast
	9:00 a.m.	Meeting begins
	5:00 p.m.	Meeting adjourns and
		take back to Hayward Airport
		Bus and
		Lab Station Wagon for General McCoy.

USAF - BSDAG

EDWARD TELLER

USAF : BSDAG Travel / Schedules

1962-1967

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D. C.

AFCSA 19 March 1962

SUBJECT: Letter of Authorization

TO: Dr. Edward Teller
Dr. Clark B. Millikan
Dr. H. Guyford Stever
Prof. Courtland D. Perkins

1. You are invited to attend a joint meeting of Division Advisory Group Chairmen and Commanders to be held on 2 April at the Air Force Systems Command, Andrews Air Force Base, Maryland.

2. In accordance with the provisions of your current travel orders you are authorized to proceed from your respective addresses to Andrews Air Force Base, Maryland and return with variations in itinerary as may be necessary.

James E. Miller

JAMES E. MILLER
Lt Colonel, USAF
Asst Secretary
Scientific Advisory Board
Office of the Chief of Staff

IMG_5010

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D. C.

AFCSA 19 March 1962

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James E. Miller

JAMES E. MILLER
Lt Colonel, USAF
Asst Secretary
Scientific Advisory Board
Office of the Chief of Staff

REQUEST FOR REIMBURSEMENT

March 20, 1962

To: Air Force Systems Command
United States Air Force
Air Force Unit Post Office
Los Angeles 45, California

April 5, 1962

From: Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

Expenses incurred by Dr. Teller on trip to Los Angeles for meeting of BSD Advisory Group on March 24:

Air Fare, San Francisco to Los Angeles (return fare included on extended trip to N.Y. & Wash)	$31.30
Ramada Inn Hotel bill	18.00
Taxis, meals, etc.	10.00
TOTAL	$ 59.30

Sincerely yours,

(Miss) Geneviève Gretemeyer
Secretary to Edward Teller

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Air Force Unit Post Office, Los Angeles 45, California

March 20, 1962

MAR 16 1962

To: Dr. Edward Teller
Lawrence Radiation Laboratory
Room 149
Berkeley 4, California

Dear Dr. Teller

Colonel Gerard A. LaRocca, USAF
Secretary, BSD Advisory Group
Deputy for Technical Development, BSD(BSR)
Air Force Systems Command
United States Air Force
Air Force Unit Post Office
Los Angeles 45, California

Attn: DCAG

Dear Colonel LaRocca:

This is to advise you of Dr. Teller's travel plans this weekend to attend the DAG meeting on March 24th.

Dr. Teller will fly to Los Angeles on Friday evening, the 23rd, on United #781, arriving at 9:10 p.m. He would appr iate your making a reservation for him at the Ramada Inn for the nights of the 23rd and 24th, and arranging transportation. His security clearance has been transferred.

Dr. Teller will leave Los Angeles on Sunday, the 25th, at 9:00 a.m. for Washington.

Sincerely yours,

(Miss) Genevieve Greteman
Secretary to Edward Teller

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Air Force Unit Post Office, Los Angeles 45, California

REPLY TO
ATTN OF: BSR

SUBJECT :

MAR 16 1962

TO: Dr. Edward Teller
Lawrence Radiation Laboratory
Room 149
Berkeley 4, California

Dear Dr. Teller

The second meeting of the Ballistic Systems Division Advisory Group will be held from 0930 to 1700 on Saturday, 24 March 1962, at this Headquarters in Room 309, Building 3, 5760 Arbor Vitae Street, Los Angeles 45, California.

As was indicated at our first meeting at Livermore on 12 March, we shall continue our review and discussion of the MMRBM program.

The DCAS Protocol Office will arrange for your security badges, reservations (Ramada Inn, 9620 Airport Blvd., Los Angeles 45, Calif., Telephone: ORchard 0-1600), and transportation from the International Airport. In this regard please transmit your security clearance status, your hotel requirements, and flight numbers and times of arrival, if transportation is desired, to this Headquarters, attention: DCAG.

Sincerely

GERARD A. LAROCCA
Colonel, USAF
Secretary, BSD Advisory Group
Deputy for Technical Development, BSD(BSR)

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Air Force Unit Post Office, Los Angeles 45, California

REPLY TO ATTN OF: BSR

SUBJECT : Travel Expenses for Dr. Teller

APR 12 1962

TO: USAF(AFCSA)
Secretariat
Scientific Advisory Board
Wash 25 DC

1. Attached request for reimbursement from Dr. Edward Teller is forwarded for your action in accordance with telephone conversation 12 April 1962 between Colonel James E. Miller and Major William J. Malloy.

2. Within the next few days we will furnish you with the date, place, attendees and agenda for the BSD Advisory Group Meetings which have already taken place. In the future we shall give you this information in advance of the meetings.

FOR THE COMMANDER

SIGNED

GERARD A. LAROCCA
Colonel, USAF
Military Representative, BSD Advisory Group
Deputy for Technical Development, BSD(BSR)

1 Atch
Cy of Dr. Teller's travel expenses fr 5 Apr 62

Copy to: Dr. Teller

April 27, 1962

Lt. Colonel James E. Miller
Assistant Secretary, Scientific Advisory Board
Office of the Chief of Staff
Department of the Air Force
Washington 25, D. C.

Subject: Letter of Invitation to Ballistic Systems Division DAG, 18 April 1962.

Dear Colonel Miller:

The above invitation was accompanied by some forms to be filled out by me so as to make possible the formalizing of the above appointment. Before filling these out, I must report that in view of the recent Attorney General's Office opinions on conflict of interest problems applying to advisors to the Government, and the Presidential and Department of Defense memoranda on the same subject, the legal department at TRW is studying whether or not it appears possible for me to serve on this board. I realize from other correspondence that I have been cleared by the Deputy Secretary of Defense for this specific DAG. But it is not certain that this clearance automatically precludes conceivable consequences sufficiently negative to the government agency I might seek to serve, to my chief employer, and to me as to make it impractical for me to participate substantively on such boards.

Attached is a summary statement of employment and financial interests intended to be helpful to the SAB staff in further assessing my eligibility to serve as a member of

the Ballistic Systems Division DAG. In turn, it will facilitate our studies in the matter to have any additional information that you may have as to the rationale used for assuring freedom from potential conflict of interests between the activities of the SAB consultants and the activities of their chief employers.

Because of the need for studying rather thoroughly whether there is a potential conflict of interest problem in the light of recent interpretations of these matters, it may not be possible to complete the analysis in time for me to attend the first meeting of the group. Naturally, assuming a favorable result, I shall then endeavor to catch up with the work of the DAG as rapidly as possible.

Sincerely,

Simon Ramo
Vice Chairman of the Board

SR
cs
Attachment

cc: Major General T. P. Gerrity
Major General D. R. Ostrander
General B. A. Schriever
Dr. Edward Teller ✓

STATEMENT OF EMPLOYMENT AND FINANCIAL INTERESTS OF SIMON RAMO APRIL 1, 1962

Principal Employment

Vice Chairman of the Board of Directors, Thompson Ramo Wooldridge Inc.

Member of the Board of Directors, Thompson Ramo Wooldridge Inc.

Member of the Board of Directors:

Space Technology Laboratories, Inc.	)	
	)	
Pacific Semiconductors, Inc.	)	All are subsidiaries of
	) -	Thompson Ramo Wooldridge
Magna Corporation	)	Inc.
	)	
TRW Electronics, Inc.	)	

Other Affiliations (with organizations having some dealings with the Federal Government)

Trustee, Case Institute of Technology

Research Associate, California Institute of Technology

Vice President, California Institute Associates

Director, American Rocket Society

Member of Editorial Board, McGraw-Hill Electronic Sciences Series

Trustee, Aerospace Education Foundation

Member of Committee on New Frontiers of Technology, Chamber of Commerce of the United States

Member of Advisory Committee, Space Museum, California Museum Foundation

Activities of Principal Employer Related to Government -

Thompson Ramo Wooldridge Inc. and its subsidiaries are engaged in research, engineering, manufacture, and customer service in the electronics, space technology, guided missiles, aircraft, industrial and automotive fields. Included are electromechanical and electronic components, semiconductors and capacitors, auxiliary power supplies, jet engine components, rocket engine components, aircraft components, computers for military and industrial use, guided missile systems, spacecraft components and systems, electronic data-handling systems, specialized electrical and mechanical instruments, missile-handling equipment, electronic educational and training equipment, audio equipment, closed-circuit television equipment, automotive components, automotive and airline traffic control equipment, communication equipment, and systems engineering services for space technology, military guided missile, and industrial applications.

Activities of Other Affiliations

California Institute of Technology, Case Institute of Technology, American Rocket Society, and McGraw-Hill Book Company engage in research and development and in providing various services for various parts of the United States Government.

Financial Interests

Major financial interest in Thompson Ramo Wooldridge Inc.

Minor (some trivial) financial interests in the following corporations:

Avco Corporation
Burroughs Corporation
E. I. Du Pont de Nemours & Co.
Eastman Kodak Company
General Dynamics Corporation
General Electric Company
General Telephone and Electronics Corporation
General Tire and Rubber Company
International Business Machines Corporation
Lockheed Aircraft Corporation
Martin-Marietta Corporation

Motorola, Inc.
North American Aviation, Inc.
Radio Corporation of America
Sperry Rand Corporation
Western Air Lines, Inc.
Westinghouse Air Brake Company
Westinghouse Electric Corporation

The RAND Corporation
1700 MAIN ST. • SANTA MONICA • CALIFORNIA

7 May 1962 L-9517

Classified Document

Dr. Edward Teller
Room 149, Radiation Laboratory
University of California
Berkeley 4, California

Dear Dr. Teller:

In accordance with Colonel La Rocca's request to Dr. Latter, the enclosed material is forwarded to you for your information. The enclosures pertain to information provided at General Schriever's meeting on Division Advisory Groups at Headquarters AFSC on 2 April 1962.

Sincerely,

Phyllis Fisher

Phyllis Fisher
Secretary to Dr. Latter
Physics Department

pf
Encl: Folder for AFSC/SAB
Meeting on Division
Advisory Groups

REQUEST FOR REIMBURSEMENT

May 10, 1962

To: Department of the Air Force
Headquarters USAF
Attn: AFCSA, Secretariat
Scientific Advisory Board
Washington 25, D. C.

June 15, 1962

From: Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

Expenses incurred by Dr. Teller on his trip to Los Angeles for meeting of the Ballistic Systems Division, DAG, on 14 and 15 May, 1962:

5/14	about 12 noon	Left Alameda Naval Air Station	
	about 1:00 pm	Arrived Los Angeles	
5/15	10:00 pm	Left Los Angeles	
	11:07 pm	Arrived San Francisco	

Air Fare, Los Angeles to San Francisco $31.30

Sincerely yours,

(Miss) Genevieve Greteman
Secretary to Edward Teller

cc: Colonel Gerard A. LaRocca

Sreg 14 - 15

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Air Force Unit Post Office, Los Angeles 45, California

REPLY TO
ATTN OF: BSR

May 10, 1962

2 May 1962

SUBJECT: Final Arrangements for 14 - 15 May Meeting

TO: All BSD/DAG Members and Consultants

Headquarters, Ballistic Systems Division
Air Force Systems Command
United States Air Force
Air Force Unit Post Office
Los Angeles 45, California

Attention: DCAS Protocol Office

Gentlemen:

This will confirm Dr. Teller's plans to attend the meeting of the Ballistic Systems Division Advisory Group on 14 and 15 May.

As you know, Dr. Teller will fly from Alameda NAS on a plane arranged for by Colonel LaRocca. We would appreciate your making a reservation for Dr. Teller at the Ramada Inn for Monday evening, the 14th. He plans to leave Los Angeles at 6:00 p.m. on the 15th on UNITED flight #864.

Sincerely yours,

GERARD A. LAROCCA
Colonel, USAF
Military Representative, BSD Advisory Group
Deputy for Technical Development, BSD(DSR)

1 Atch
Cy of Tentative
Agenda, BSD Advisory
Group Meeting, 14-15
May 1962

(Miss) Genevieve Greteman
Secretary to Edward Teller

cc: Colonel Gerard A. LaRocca

May 14 - 15

HEADQUARTERS
BALLISTIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Air Force Unit Post Office, Los Angeles 45, California

REPLY TO
ATTN OF: BSR

2 May 1962

SUBJECT : Final Arrangements for 14 - 15 May Meeting

TO: All BSD/DAG Members and Consultants

1. Confirming earlier notification, the Ballistic Systems Division Advisory Group will meet at this headquarters on 14 and 15 May 1962, starting at 1330 hours on 14 May in the Command Presentation Center, Building 3, 5760 Arbor Vitae Street, Los Angeles 45, California. Special security badges will be ready for you in the front lobby of Building 3. The Command Presentation Center may be reached at ORchard 0-1444, extension 2136.

2. The tentative agenda is attached for your information. Please note that we plan an evening session on 14 May. A buffet dinner will be served to the group at the Officers Club, adjacent to Building 3, on the evening of 14 May.

3. The DCAS Protocol Office will arrange for your reservations (Ramada Inn, 9620 Airport Boulevard, Los Angeles 45, California. Telephone: ORchard 0-1600) and transportation from the International Airport. In this regard please transmit your hotel requirements and flight numbers and times of arrival, if transportation is desired, to this Headquarters, attention: DCAG (Telephone extension 2931).

Gerard A. LaRocca

GERARD A. LAROCCA
Colonel, USAF
Military Representative, BSD Advisory Group
Deputy for Technical Development, BSD(BSR)

1 Atch
Cy of Tentative
Agenda, BSD Advisory
Group Meeting, 14-15
May 1962

EDWARD TELLER

USAF: Meteorology (McKee)

1962 - 1967

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WASHINGTON, D.C. ~~20553~~ 20590

OFFICE OF
THE ADMINISTRATOR

April 26, 1967

Dear Ed:

In Chris' last letter home he indicated you might be able to offer some assistance in two of our problems -- clear air turbulence detection and the sonic boom in supersonic air transport operations.

We have devoted a great deal of time and energy to both these subjects over the past several years. There has been some progress in the accumulation of theoretical data, resulting in expanded knowledge, but we are far from arriving at solutions because of fragmentary experimental data.

I asked my technical staff to prepare this capsule resume on the particular aspects of these problems which interest you.

We are working closely with the Weather Bureau, NASA, and the Department of Defense investigating methods of CAT detection. As Paul Rosenberg concluded at a CAT conference which he chaired last year, the physics and meteorology of CAT still are poorly understood, and methods of forecasting, detecting, and pilot warning still have not reached the confidence level for practical operational use. It is the practical operational aspects that interest us most, by writ of responsibility, and we are eager to support any practical scheme that offers operational value.

The utility of the laser to detect turbulent inhomogeneities in the atmosphere appears theoretically possible. Our analyses, however, indicate that backscattering due to dielectric discontinuities is too small for satisfactory CAT detection and would be masked by backscattering due to particulate matter. The laser may well be an excellent tool for an attack on exploring the latter phenomenon and offers a unique approach to probing the atmosphere by remote means.

Laser radar (lidar) observations from the ground and from the air have shown it is possible to distinguish discontinuities in the atmosphere to great heights. This has prompted efforts to distinguish turbulent air by such a technique. Both the University of Michigan, under Professor P. Franken, and NASA-Langley have been carrying out experiments to explore its possibilities. Professor Franken concludes, however, that the presence of aerosol discontinuities does not provide a unique signature for turbulent activity.

Another approach to the detection of CAT employs the doppler shift in backscattered returns from gaseous and particulate matter in the atmosphere. This approach has been investigated by North American Aviation for the Air Force, but encountered formidable difficulties involving both engineering problems and the lack of a unique distribution in particulate matter with respect to CAT.

Since there is no indication that lasers have potential for an operational detection device, our present activity in laser investigation is confined to monitoring work supported by NASA and the military services. The total Government involvement in the CAT problem was previously coordinated under the National Committee for Clear Air Turbulence, an interagency group which was recently terminated. A copy of the committee's report is enclosed.

In addressing the subject of sonic boom activity in SST operations, we find a similar lack of positive knowledge. Again, we have accumulated considerable theoretical information but data resulting from an experimental environment is scant.

Our SST simulation program, underway since 1963 jointly with NASA-Langley, is studying problems anticipated in handling civil supersonic aircraft in the air traffic control system. In the course of these studies, procedures were devised to minimize the effect of sonic overpressure around

inhabited regions. Procedures established thus far, however, are preliminary because of the number of unknowns, such as degree of overpressure from variations in flight path geometry causing ray path focusing, meteorological influences, level of human acceptability, and others.

We know that certain aircraft maneuvers in which either longitudinal or lateral accelerations occur can result in intensified overpressure. Therefore, simulated air traffic control procedures were established to locate the start of transonic acceleration at specific points to insure that overpressure occurred in ground areas of least population density, known as "sterile" areas. The relatively low speeds flown from takeoff to the designated points required more flight time in the system than that of random acceleration, thus imposing a penalty. Similar penalties may be experienced for other maneuvering restrictions should they be found necessary in future simulation exercises.

We met recently with our United Kingdom and French counterparts investigating all aspects of supersonic transport problems. It was generally concluded that before much progress can be made on potential traffic handling regulations, more information would be needed on sonic boom variables resulting from inherent and external influences on SST operations.

This is a rather sketchy overview of two relatively complex subjects. If you have any desire to pursue them further with us, we would be most happy to elaborate on specific points of interest to you. Please accept my personal best regards.

Sincerely,

Bozo

WILLIAM F. McKEE
Administrator

Enclosure

Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley, California 94720

P.S. Hope to get out to Calif before too long and look forward to talking with you if possible
B

Personal & Private

OFFICE OF THE VICE CHIEF OF STAFF
Headquarters, United States Air Force
Washington 25, D. C.

8 Oct 1962

Dear Doctor Teller:

When we had lunch together the other day, I promised to send you the address of my son, Christopher, who is now a senior at Harvard. His address and telephone number are as follows:

Christopher F. McKee
Winthrop J-13
Cambridge 38, Mass.
Telephone #491-2920

Enjoyed our luncheon and, particularly, the conversation very much. From my point of view it was most helpful and very constructive.

I look forward to meeting with you again in the near future.

Sincerely,

Bozo

WILLIAM F. McKEE
General, U.S. Air Force

Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

January 15, 1963

Copy of Night Letter

January 16, 1963

Christopher F. McKee
Winthrop J-13
Harvard College
Cambridge 38, Massachusetts

JUST LEARNED TRIP TO BOSTON HAS BEEN CANCELLED. UNFORTUNATELY CANNOT SEE YOU MONDAY EVENING. I AM POSITIVE THAT I CAN COME TO BOSTON AND SEE YOU IN THE NOT TOO DISTANT FUTURE.

Edward Teller

ET:ge

Jan 21

OFFICE OF THE VICE CHIEF OF STAFF
Headquarters, United States Air Force
Washington 25, D. C.

4 February 1963

January 15, 1963

Dear Dr. Teller:

In our discussions while visiting Jackie and Floyd, you mentioned that it would be a wise thing for Christopher to spend some time at Livermore this summer after his graduation from Harvard. I told you that I was planning on leaving for Europe shortly after graduation.

Chris has been home for a few days between exams and I have been talking to him about your suggestion. He is enthusiastic over the idea and says he thinks it much more important than spending the summer in Europe. I am sure that you are right and that it is a good idea to spend some time at Livermore before there is still more of spending a couple of months there. If you think you have room for him, I am sure that Chris will be delighted to come out there.

Look forward to seeing you soon.

Sincerely,

WILLIAM F. McKEE
General, U.S. Air Force

Mr. Christopher F. McKee
Winthrop J-13
Harvard College
Cambridge 38, Massachusetts

Dear Mr. McKee:

I spent an enjoyable weekend with your father and among many other things he mentioned that you are studying physics at Harvard. He suggested that we might get together and I would be delighted if this would be possible.

Next Monday, the 21st, I plan to come to Boston, arriving on the air shuttle, Eastern Airlines, at 7:05 p.m. It would be wonderful if you would find it possible to meet me at the Airport and let me take you out to dinner after that. I will stay in Boston only for a very short time, and the above time seems to be the only possibility of meeting you for the next three months.

I hope that this will fit into your plans and I look forward to making your acquaintance. Would you be so kind as to send me a collect wire (not later than Friday) to my above Laboratory address. If my letter should not reach you in time and you need to wire me on Saturday, I suggest you send a collect wire to my home address which is 1573 Hawthorne Terrace, Berkeley.

Sincerely yours,

Edward Teller

ET:gg

OFFICE OF THE VICE CHIEF OF STAFF
Headquarters, United States Air Force
Washington 25, D. C.

4 February 1963

Dear Dr. Teller:

In our discussions while visiting Jackie and Floyd, you mentioned that it would be a wise thing for Christopher to spend some time at Livermore this summer after his graduation from Harvard. I told you that he was planning on leaving for Europe shortly after graduation.

Chris has been home for a few days between exams and I have been talking to him about your suggestion. He is most enthusiastic over the idea and says he thinks it much more important than spending the summer in Europe. He graduates on June 13th and I am sure he could be in place at Livermore (if there is a job for him) by the 1st of July, with the idea of spending a couple of months there. If you think there is still a possibility of doing this, would you have someone send the appropriate papers to Chris in order that he may complete them. His address is:

Christopher F. McKee
Winthrop J-13
Cambridge 38, Mass.

Our session at Indio is still paying dividends. I have been able to energize a great deal of discussion and thinking here in the Pentagon which I feel confident will bear fruit. It was certainly the most constructive and valuable weekend I have spent in many a year.

Look forward to seeing you soon.

Sincerely,

B020

WILLIAM F. McKEE
General, U.S. Air Force

OFFICE OF THE VICE CHIEF OF STAFF
Headquarters, United States Air Force
Washington 25, D.C.

15 July 1963

July 19, 1963

Dear Doctor Teller:

I am inclosing a copy of a letter I have just dispatched to Floyd Odlum. Since you have a son about Chris' age at Stanford, I am sure you can understand my concern. I think Chris has tremendous potential but I am sure this potential must be developed socially as well as academically. I think it important that he have an opportunity to mix with a lot of young people his age and join with them in the pursuits normal to that age group.

Perhaps I do not understand as much as I should but I do know from reading material that you had direct information about it. You know that he is coming along fine and there is no need for any worry whatsoever.

I hope I have the opportunity of talking with you in the near future. Perhaps you will be in Washington ago have some of which may be quite significant. Please let me know the next time you are in Washington.

Sincerely

General William F. McKee, USAF
Vice Chief of Staff
Headquarters, United States Air Force
Washington 25, D. C.

Dear General McKee:

Thank you for your letter of the 15th. As you have heard, Chris had a mishap on a hike in Yosemite. I know that you had direct information about it. You know that he is coming along fine and there is no need for any worry whatsoever.

I have been aware of the fact that Chris has not completely settled his plans. I have talked with him and would like to talk with him some more. In case that he decided to study in Berkeley or elsewhere I will be very glad to do whatever I can to help him with his plans.

I might add that he is very well liked in Livermore. I had some discussions with some of our most active people and all of them appreciate his abilities. My son who is also working in Livermore during the summer and is approximately the same age has been in touch and continues to be in touch with Chris while he is in the hospital.

I am aware of some of the consequences of our talks last winter. I would enjoy being of any continued help in the plans.

Sincerely yours,

WILLIAM F. McKEE
General, USAF

Doctor Edward Teller
Lawrence Radiation Laboratories
Box 808
Livermore, California

ET:gg

Edward Teller

OFFICE OF THE VICE CHIEF OF STAFF
Headquarters, United States Air Force
Washington 25, D. C.

15 July 1963

Dear Doctor Teller:

I am inclosing a copy of a letter I have just dispatched to Floyd Odlum. Since you have a son about Chris' age at Stanford, I am sure you can understand my concern. I think Chris has tremendous potential but I am sure this potential must be developed socially as well as academically. I think it important that he have an opportunity to mix with a lot of young people his age and join with them in the pursuits normal to that age group.

Perhaps I do not understand as much as I should but I do know from reading Chris' last letter that he would prefer to go to Berkeley -- at least initially.

I hope I have the opportunity of talking with you in the near future. The series of conversations you and I had at Jackie Cochran's ranch several months ago have produced some rather interesting results -- some of which may be quite significant. Please let me know the next time you are in Washington.

If you have any advice to give me with respect to the problem raised in my letter to Floyd, I would be delighted to have it.

Sincerely,

BOZO

WILLIAM F. McKEE
General, USAF

Doctor Edward Teller
Lawrence Radiation Laboratories
Box 808
Livermore, California

15 July 1963

Dear Floyd:

From an exchange of correspondence with Chris, it appears that the Hertz Scholarship which your Board awarded to him is confined to the new graduate school to be established at Livermore. At the time we discussed the matter here in Washington, it was my understanding that the scholarship could be applied to MIT, University of Chicago, or University of California at Berkeley. Chris chose the latter for a number of reasons -- one of them being that he had already been accepted by U.C. for graduate training.

I understand what your Board wants to do in establishing the school at Livermore and I think it a fine idea. The opportunities are obvious. Chris, however, is quite young (20) and he would be the youngest person in the group with little opportunity for much needed social contacts. He is inclined to be an introvert although he has made real progress in the past year in the opposite direction. Chris realizes this and it was for this reason he had decided to spend a year studying in Europe. I am concerned that Livermore would be somewhat restrictive and that Chris would not get the broadening that he needs. He shares this feeling.

Is there any possibility, Floyd, that the scholarship can be transferred to Berkeley? Alternatively, he might spend the first two years there and the last year at Livermore.

Would appreciate your views as Chris has a major decision to make at an early date.

Again, one way or the other, Gertrude and I (and Chris) are deeply appreciative of your interest and assistance.

Again, one way or the other, Gertrude and I (and Chris) are deeply appreciative of your interest and assistance.

I am sending a copy of this letter to Ed Teller with a covering note.

Our warm regards to Jackie.

Sincerely,

WILLIAM F. McKEE
General, USAF

Mr. Floyd Odlum
Odlum-Cochran Ranch
Indio, California

WFM:mg

2

OFFICE OF THE VICE CHIEF OF STAFF
Headquarters, United States Air Force
Washington 25, D.C.

6 August 1963

August 26, 1963

Dear Dr. Teller:

General William F. McKee, USAF
Vice Chief of Staff
Headquarters, United States Air Force
Washington 25, D. C.

Dear General McKee:

On returning to Berkeley I found Chris in good health and fine spirits. His program for next year seems to be shaping up in a sensible manner.

I would be grateful to you for any indication as to the further developments in the test ban debate. I feel that the opposition which we have put up to date has had some effect, but I am too deeply involved and so I do not trust my objectivity. Any comments from you would be welcome.

I felt that General LeMay did the best he could do, given his background and the situation in which he found himself. I also admired the performance of Generals Powers and Schriever.

With best regards,

Edward Teller

ET:gg

Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

P.S. Am up to my ears in matters pertaining to your particular area!

OFFICE OF THE VICE CHIEF OF STAFF
Headquarters, United States Air Force
Washington 25, D. C.

6 August 1963

Dear Dr. Teller:

Yesterday I received a letter from Floyd Odlum approving Chris' registration at the Berkeley Campus in the Fall. Floyd enclosed a copy of your letter of 19 July and I want you to know that I appreciate your permitting Chris to choose which place he will attend.

I am sure Chris will be delighted to know that the way is open for him to enroll at Berkeley. He is looking forward to starting his work there and both he and I are greatful to you for the interest you have shown in his future studies.

Best regards.

Sincerely,

B020

WILLIAM F. McKEE
General, U.S. Air Force

Dr. Edward Teller
Lawrence Radiation Laboratory
University of California
Berkeley 4, California

P.S. Am up To my ears in Matters pertaining to your particular area!

OFFICE OF THE VICE CHIEF OF STAFF
United States Air Force
Washington 25, D. C.

30 August 1963

Dear Dr. Teller:

Your kind letter of 26 August was waiting for me this morning when I returned from a brief trip to Los Angeles and Seattle. I am happy to learn that you are in agreement with Chris' proposed program for the coming year. As you may know, he is coming home this weekend and I plan to discuss it with him thoroughly during his visit.

In regard to the test ban treaty, it looks to me as if it will be ratified. However, I do feel that the testimony you have given and that of others who hold similar views has done much to dispel the idea that all is sweetness and light, and has provided the incentive toward developing the kinds of safeguards which are absolutely essential. Perhaps on your next visit to Washington, we can discuss this further.

Best regards.

Sincerely,

Bill

WILLIAM F. McKEE
General, U.S. Air Force

Dr. Edward Teller
Lawrence Radiation Laboratory
P.O. Box 808
Livermore, California

USAF : Misc.

LLER

Sent of minutes

P Box 65

Dear Dr. Archer,

I'm planning to attend SR, ET & GE
of ASEE Summer Sch. Conf. Univ. & Ind.
at the request of Lockheed. Plan to fly
out on the 21st so as to be there Wed morning.
Am not sure but the dean of some other
sch. also will be there conducting.

In regard I mentioned to you in a
letter Mrs. Tanner (Edith, by B.L. Decker,
it is most pleased if you can find time
to see it, and tell me what you think.
Do not c.c. Dap.

I'll be busy working on physics, but
more hours of a program.

Best regards to the Drs, and little Tellers.

Walter Beckham

SECRET

declassified

SAA?

VCAF, Main

7 Oct 58

Dear Dr. Teller,

I'm planning to spend 26, 27 & 28 of this October (the last Wed. Thur. & Fri of the month) at Livermore. Plan to fly out on the 25th so as to be there Wed morning. Hope you will let me know if some other time turns out to be more convenient.

The report I mentioned to you is a Sandia Corp. report #5112, by B.L.Tucker. I'd be most pleased if you can find time to read it, and tell me what you think. Its not at all long.

I try to keep working on physics, but can't boast of my progress.

Best regards to the Mrs. and little Tellers.

Walter Beckham

D

Beckham, Col. Walter . Mil. clearance - top secret 10-26, 10-28 inclusive. Affiliation DCS/D Hq USAF. To discuss details of weapon development. Will discuss all aspects of nucl. and thermonuc. weapons exclusive of stock piles and production inf. Sigma 14. UCRL B. and UCRL Livermore. DMA approval.

from John O'Gara, Oakland, AEC

HEADQUARTERS
AIR FORCE SPECIAL WEAPONS CENTER
AIR RESEARCH AND DEVELOPMENT COMMAND
KIRTLAND AIR FORCE BASE
NEW MEXICO

22 July 1955

OFFICE OF THE COMMANDER

Dr. Edward Teller
Radiation Laboratory
University of California
Post Office Box 808
Livermore, California

Dear Dr. Teller:

Your letter of June 30, 1955, commending Lieutenant Colonel Raymond A. Gilbert for his exceptional abilities and unique accomplishments to the Laboratory program at Livermore, has given me much pleasure and is greatly appreciated. I am especially pleased that an officer of this Command has made so great a contribution to the Laboratory program at the University of California Radiation Laboratory.

Colonel Gilbert is, in my opinion, an officer of exceptional ability. His broad interest and own efforts to extend his knowledge to other related fields, plus his ability to cooperate and get full cooperation from those with whom he deals, leads me to believe that his potential value to the Air Force and the scientific field is unlimited. In short, he seems to have those rare qualities of good leadership we are continually seeking but seldom find.

I have been watching Colonel Gilbert's progress with ever-increasing interest and intend to recommend him to Headquarters, United States Air Force, for an appropriate award in recognition of his outstanding work while at Livermore.

Again let me thank you for your nice letter and for the opportunity Colonel Gilbert has had to gain valuable experience in the research field.

Sincerely,

W. M. CANTERBURY
Brigadier General, USAF
Commander

DEPARTMENT OF THE AIR FORCE
DEPUTY CHIEF OF STAFF, DEVELOPMENT
UNITED STATES AIR FORCE
WASHINGTON 25, D. C.

6 JAN 1955

Dr. Edward Teller
University of California
Radiation Laboratory
P. O. Box 808
Livermore, California

Dear Dr. Teller:

I have just received your letter of 26 November relative to the Rand Corporation's study on "A Proposal for an Atomic Testing Device." Apparently it took a devious route in transit.

As you so aptly stated, the study proposes an extremely expensive device, posing some very difficult construction problems. At the moment, the Rand's proposal is being given a feasibility study by the Air Research and Development Command; and your expression of support of the idea will add much to their study.

Thank you very much for your interest in this matter, and please feel free to send us your ideas if any should occur to you in connection with this proposal.

Sincerely,

HERBERT B. THATCHER
Major General, USAF
Assistant Deputy Chief of Staff,
Development

AT DDC
NO USAF

1955 JAN 3 13 04

DISPATCHED

Baltimore 3, Maryland

November 13, 1957

Dr. Edward Teller
University of California
Berkeley, California

16 JAN 1955

Dr. Edward Teller
University of California
Radiation Laboratory
P. O. Box 808
Livermore, California

Dear Dr. Teller:

I have just received your letter of 26 November relative to the Rand Corporation's study on "A Proposal for an Atomic Testing Device." Apparently it took a devious route in transit.

As you so aptly stated, the study proposes an extremely expensive device, posing some very difficult construction problems. At the moment, the Rand's proposal is being given a feasibility study by the Air Research and Development Command; and your expression of support of the idea will add much to their study.

Thank you very much for your interest in this matter, and please feel free to send us your ideas if any should occur to you in connection with this proposal.

Sincerely,

HERBERT B. THATCHER
Major General, USAF
Assistant Deputy Chief of Staff,
Development

VE DDC
AO 0SAE
AO 13 JAN 1958
DISPATCHED

detached - unclassified

SECRET

THE MARTIN COMPANY

Baltimore 3, Maryland
November 13, 1957

returned M-MM-P-57-32
March 17, 1958

Dr. Edward Teller
University of California
Berkeley, California

Dear Dr. Teller:

During your meeting at ARDC of October 21-22, I took the opportunity to repropose a Lunar Base as a focal point for Air Force long range planning, even though Sputnik may have eliminated the need for a military requirement to motivate the research and development work that so many of us agree must be done.

You showed an interest in what the military argument might be, and I mentioned that we had documented this to a degree. I have elected to send you a copy of our internal report on the subject because I expect you are still interested in the military argument, especially if it should prove to be too early in the stream of events to successfully sell research on its merits alone to the budget bureau.

The report I am sending needs some introduction. In addition to the security classifications stamped thereon, you will note the phrase "internal information." This means that we wrote the report to ourselves. You see, we are not accomplished military scientists, and we have no desire to compete in this matter with our partners in the military establishment. But occasionally we must undertake studies of this kind in our meager attempts to guess what the future holds in store for us. This is particularly true when the military has shown but few signs of studying the problem on their own --- the pre-sputnik situation.

Because of the internal nature of the report, it is rather informal and relaxed. (You will find a few exclamation marks!) Nor is the report very broad since we tend to narrow our sights to our company products, and anyway we know something about them.

The report is pre-sputnik, and of this I am proud. Should you wish to criticize any of the points taken, feel free and I shall be honored. I ask only that you remember that the ideas expressed are Martin talking to Martin; that although they do represent a corporate belief, we do not necessarily think it wise or politic for us to have to defend them in detail in front of our customers at the present time.

detached unclassified

SECRET

This document may be declassified
upon removal of attachments.

DD 1 DEC 51 441 EDITION OF 1 FEB 51 IS OBSOLETE

~~SECRET~~

MARTIN COMPANY

Baltimore 3, Maryland

Unclassified attachment Removed

One of the key points that came out at your meeting was that of the need for research, whether or not there was a military mission. We have a case in point here at Martin that you might find interesting.

Our "adventure" takes the form of a subsidiary called RIAS, Inc. (rhymes with bias). RIAS is a profit motivated corporation whose charter permits only fundamental scientific research. It is wholly owned by Martin in such a way that we get no tax benefit when RIAS loses money, which it does consistently. This sounds silly to most people who want to know ... "Where's the gimmick?", "Does your Board of Directors know about this?", etc.

Our reasoning is this. In America today, worth is measured mostly by $'s. If a profound increase in basic science is an American need, then a way must be found to make a dollar profit at it. We must find a way to sell knowledge at a profit, with no guarantee of profits on ensuing hardware. If we can do this, the system that has produced our material wealth can expend a similar effort on and perhaps have the same success in increasing our intellectual wealth.

RIAS was created two years ago in this image, and we are trying to find the way. This idea has no quarrel with the University, but it does frown on research only by patronage or charity, or as a circumstance of tax laws. This says that research is important by itself and needs no "follow on business" for justification. It says that to solve a problem is important, whether or not anyone but the researcher understands the problem. Economically the idea appears sound because no knowledge has ever gone to waste.

This idea is compatible with Martin Company objectives because the only thing we know about our products for 1977 is that we cannot yet define them.

Most people doubt that we are really doing fundamental research. After a visit they usually change their minds and become very enthusiastic. I would like you to visit RIAS. I know that such a meeting and the ensuing discussion would be very good for us, and I can hope that you would derive some benefit from it. Perhaps on your next visit to the East Coast you could find the time for this. I will make whatever arrangements will suit your convenience and am proud to report that no security clearance is required.

~~SECRET~~

1 DEC 91 IS OBSOLETE

~~SECRET~~ Unclassified attachment removed

ARTIN COMPANY

Baltimore 3, Maryland

The meeting of October 21-22 was the most interesting and best conducted I have had the opportunity to attend for many a year. Most committee meetings are a chore; yours was not. Thanks.

Very truly yours,

G. S. Trimble, Jr.
Vice President - Engineering

GST:mw
Enc. Martin Report M-M-P-57-32, Cy. 28

~~SECRET~~ Unclassified attachment removed

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND
BALTIMORE 1, MARYLAND

20 December 1957

Dr. Edward Teller
Radiation Laboratory
University of California
Berkeley 4, California

Dear Dr. Teller,

I would like to take this opportunity to extend the Season's best and to crow a little.

While we both realized that in the seriousness of the meetings here at Baltimore in October, there was some over-statement on my part with regards competing weapon systems, I think you will agree that time is lending considerable substance to what appeared largely facetious.

I enjoyed your comments in the Atomic Energy Symposium held at ARDC on 11 December which, due to an assignment with WSEG, had to be passed on to me secondhand.

My best for a pleasant New Year as well.

Sincerely,

E. A. Kiessling

E. A. KIESSLING
Colonel, USAF
Assistant for Guided Missile Systems
Deputy Commander/Weapon Systems

HEADQUARTERS

WRIGHT AIR DEVELOPMENT CENTER

AIR RESEARCH AND DEVELOPMENT COMMAND
UNITED STATES AIR FORCE
Wright-Patterson Air Force Base, Ohio

IN REPLY ADDRESS
~~COMMANDER ATTENTION:~~
~~Box 7016, Area~~ B

9 December 1957

Dr. Edward Teller
Radiation Laboratory
University of California
Berkely, California

Dear Dr. Teller:

Having just read a copy of your committee report to ARDC and the Air Force, I wish to write to express the appreciation of those of us in the Air Force who have been struggling so long to awaken top management to the dangers of the present situation.

Through having served as Chief of Scientific Research for Hq, ARDC and later as Deputy Commander of the Air Force Office of Scientific Research I know that it took both courage and deep conviction to speak as you did. Since I have recently been removed somewhat from the arena for speaking a little too forcibly I do not know what the official reaction has been from the Air Force, but unofficially, informally, and personally as a fellow-American, thank you.

Sincerely,

William O. Davis

WILLIAM O. DAVIS
Colonel, USAF

MR CROCKER
HSAF

1009TH SPECIAL WEAPONS SQUADRON
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, D.C.

CTO 32

4 May 1956

SUBJECT: Temporary Duty Travel

TO: MR J. ALLEN CROCKER, GS-15

1. You will proceed on or about 6 May 56 from Washington, D. C. to Minneapolis, Minnesota; Livermore, California; Sacramento, California and Palo Alto, California on temporary duty for approximately seven (7) days to coordinate technical matters, (DPUO), and upon completion thereof will return to Washington, D. C.

2. Special Provisions:

a. Change in itinerary authorized to proceed to such additional places as may be necessary in the accomplishment of the mission.

b. You are cleared for access to classified material up to and including TOP SECRET in accordance with AFR 205-6. Mr Crocker has a TOP SECRET clearance certified in connection with Project JETSTER and an AEC "Q" clearance Number JT-55, dated 23 September 1954.

c. Per diem allowance of $12.00 is authorized except as changed by applicable provisions of Paragraph 19, Chapter 9, AFM 40-10.

d. Travel by military aircraft, commercial aircraft, rail and/or commercial bus authorized. Travel by government automobile authorized.

3. TDN. 5763400 043-6590 P481-02 S49-604 (T-327). Vouchers will be forwarded within fifteen (15) days after completion of temporary duty travel. Copies of paid vouchers will be forwarded to Fiscal Office, Headquarters Command USAF, Bolling AFB 25, D. C.

4. Travel approved under authority of the Secretary of the Air Force as provided in Chapter 9, AFM 40-10. Travel to be performed is necessary in the public service.

BY ORDER OF THE COMMANDER:

JOSEPH F. ARTHUR
Major, USAF
Adjutant

DISTRIBUTION: X

CHIEF OF STAFF
UNITED STATES AIR FORCE
WASHINGTON

8 September 1960

Dear Dr. Teller:

It was a most pleasant surprise to see you at the Inn on the edge of Jenny's Lake at Jackson Hole. You looked the picture of health and I am sure enjoyed the surroundings as much as we did.

This is to say how very much I appreciate your thought that we should meet sometime in the near future and to tell you that I will generally be in Washington between now and 15 October, except for time away for the Air Force Association Convention in San Francisco 22-24 September. There may be other brief periods of absence but not for more than a day or two. If during that period you plan to be in Washington I beg you to let me know so I can arrange for us to have luncheon together. Of course I will also do my best to meet your schedule after 15 October.

Best wishes.

Sincerely yours,

THOMAS D. WHITE
Chief of Staff

Dr. Edward Teller
Director, University of California
Lawrence Radiation Laboratory
P. O. Box 808
Livermore, California

DD 1 DEC 51 441 EDITION OF 1 FEB 51 IS OBSOLETE

October 18, 1960

General Laurence S. Kuter, USAF
Commander-in-Chief
North American Air Defense Company
Ent Air Force Base
Colorado Springs, Colorado

Dear General Kuter:

Thank you for your very wonderful letter of September 28th. There is at least one fact on which I should definitely disagree: I did visit Colorado Springs twice in connection with SAB meetings. I would very much like to do so again and discuss the questions you mentioned with you and your staff. At the present time my schedule is dreadfully crowded, but I would like to take the earliest opportunity to accept your kind invitation. Otherwise I do agree with the general line of your argument. What worries me is a slightly different point.

What is the use of spending extremely great amounts of money, let us say ten billion dollars, on a defense system when we know that for an additional one billion dollars the Russians can render this system of defense ineffective. The system could in fact be effective only if we could keep it secret and if we keep the Russians guessing. I wonder to what extent the general nature of a ten billion dollar development can be kept secret. I would be very happy to join in advocating any system, with practically no regard to its expense, provided that the Russians cannot counter this defense promptly by a much less expensive development.

I also agree with you fully that there is great danger of the Russians developing an anti-ICBM. For this reason alone we must keep up our anti-ICBM research. It may be best, however, to counter a Soviet anti-ICBM not by an anti-ICBM of our own but by an appropriate development of decoys which would render the Russian system inadequate.

As I indicated in my talk, the problem must be considered from the point of view of game theory. The expense itself is not decisive. But the question whether a move is wise necessarily depends on a detailed consideration of the counter-move.

I hope to have an opportunity to continue this discussion with you and your staff.

Sincerely yours,

Edward Teller

ET:gg

NORTH AMERICAN AIR DEFENSE COMMAND
ENT AIR FORCE BASE
COLORADO SPRINGS, COLORADO

MELROSE 2-5511
EXT:

OFFICE OF THE COMMANDER-IN-CHIEF

28 September 1960

Dr. Edward Teller
Professor at Large
University of California
Berkeley, California

Dear Dr. Teller:

I am the tall man in civilian clothes who, while standing in that long and crowded buffet line on Saturday evening in San Francisco, presumed to take issue with you on the economic practicability of an anti-ICBM system. In Air Force uniform, you might have remembered me as the Commander of the Air University at Maxwell AFB, Montgomery, Alabama, 1953-1955, where we had the pleasure of your participation in a National Defense Seminar.

That buffet line was not the place to raise an issue with you nor am I properly qualified to do so. Qualified or not, I am sufficiently persistent and bold to try to do so in writing.

This, I would not do if you were not so highly regarded and so eloquent an authority. Having had the opportunity to listen to you before, I know that I am not alone in being almost convinced, even when I believe you are wrong.

Your talk at the AFA Convention seminar was not only the high point of the Convention but a case where I found myself about to nod agreement on a point on which I believe you are wrong.

The point oversimplified is this: I believe that you were wrong in saying that economic considerations preclude producing an adequate anti-ballistic missile defense, and then saying that there is no place for economizing while seeking control of space. I support the latter cause, but when it follows the former I believe that you are proposing to lock

DD 1 DEC 51 471

Dr. Edward Teller

the barn long after the horse may be dead -- or after he has been badly crippled. My variety of logic argues that a multi-billion dollar investment in an AICBM system is not only economically sound but absolutely essential to any assurance that we can live long enough to compete in the space age. My conviction is strengthened by your own statement that we will have had it if we receive 7% of a 1000-ICBM inventory.

I take issue with your argument that it is unwise to buy American AICBM's because they would cost us more than ICBM's cost the Russians. Bullets always cost less than targets. The cost of the AICBM must be balanced against the value of the target defended -- not against the cost of the hostile missile.

More fire is added to my argument that we must afford to build an AICBM system by considering the awful alternative which would result from a Russian decision to build such a system to standards which the Russian judges to be adequate. Deterrence is, of course, a state of the Russian mind.

What I judge to be sound logic would take off from your eloquent statement of our new and critical military requirement to survive, and conclude that we dare not economize on defense against the AICBM. (I would much prefer to hear Dr. Teller applauded for the statement, "It must be done," than the statement, "It cannot be done" x x x except by systems exceedingly expensive.) I join your apprehension over creating a false sense of security. I trust that you would join my very deep apprehension over the possibility that the Russian might be first to develop an AICBM system which he judges to be adequate. He would then escape from the blind alley of mutual suicide, leaving us there alone, subject to his blackmail or dictation.

After improving our chances to survive under the threat of the AICBM, I would wholeheartedly support your strong argument that we must not lose control of space although we are not so sure of its military value.

NORTH AMERICAN AIR DEFENSE COMMAND
ENT AIR FORCE BASE, COLORADO

MELROSE 8-8911
EXT: 2201/2202

OFFICE OF THE COMMANDER-IN-CHIEF

Dr. Edward Teller

Sir, yours was an exciting and stimulating talk. I believe it had a hole in it. If you believe otherwise, I would appreciate being enlightened.

The records of this headquarters show no evidence that you have ever visited here or discussed aerospace defense with this staff.

We hold the responsibility, simply stated by the Governments of Canada and the United States, to defend North America against air attack. That mission is about the only thing that is simple and unequivocal in this business.

My staff and I would greatly value an opportunity to discuss our problems and our views and receive the benefit of your opinion and judgments. You are warmly invited to visit this headquarters and spend as many hours or days as you might be able to give to this "survival force". I believe that you would not find our operations, plans, or projects to be dull.

Your views and your visit would be warmly welcomed.

Sincerely,

LAURENCE S. KUTER
General, United States Air Force
Commander-in-Chief

Sincerely,

LAURENCE S. KUTER
General, United States Air Force
Commander-in-Chief

COPY

DEPARTMENT OF DEFENSE

SECURITY AGREEMENT

THIS AGREEMENT, entered into this 24th day of October 1955 by and between **THE UNITED STATES OF AMERICA** through the Department of Air Force acting for the Department of Defense *(hereinafter called the Government)* and *(i)* a corporation organized and existing under the laws of the State of California (ii) a partnership consisting of (iii) an individual trading as a Consultant with its principal office and place of business at U.C.R.L. in the city of Berkeley State of California *(hereinafter called the Contractor)*,

WITNESSETH THAT:

WHEREAS, the Government, through the Department of the Army, the Department of the Navy and/or the Department of the Air Force, has in the past purchased or may in the future purchase from the Contractor supplies or services which are required and necessary to the national defense of the United States; or may invite bids or request quotations on proposed contracts for the purchase of supplies or services which are required and necessary to the national defense of the United States; and

WHEREAS, it is essential that certain security measures be taken by the Contractor prior to and after his being accorded access to classified security information; and

WHEREAS, the parties desire to define and set forth the precautions and specific safeguards to be taken by the Contractor and the Government in order to preserve and maintain the security of the United States through the prevention of improper disclosure of security information derived from matters affecting the national defense; sabotage; or any other act detrimental to the security of the United States:

NOW, THEREFORE, in consideration of the foregoing and of the mutual promises herein contained, the parties hereto agree as follows:

SECTION I - SECURITY CONTROLS

(A) The Contractor agrees to provide and maintain a system of security controls within its or his own organization in accordance with the requirements of the Department of Defense Industrial Security Manual For Safeguarding Classified Security Matter attached hereto and made a part of this agreement, subject, however, *(i)* to any revisions of the Manual required by the demands of national security as determined by the Government, notice of which has been furnished to the contractor, and *(ii)* to mutual agreements entered into by the parties in order to adopt the Manual to the Contractor's business and necessary procedures thereunder. In order to place in effect such security controls, the Contractor further agrees to prepare *Standard Practice Procedures* for its or his own use, such procedures to be consistent with the Department of Defense Industrial Security Manual For Safeguarding Classified Security Matter. In the event of any inconsistency between the Contractor's Standard Practice Procedures and the Department of Defense Industrial Security Manual For Safeguarding Classified Security Matter as the same may be revised, the Manual shall control.

(B) The Government agrees that it shall indicate when necessary by security classification *(Top Secret, Secret, Confidential, or Restricted)*, the degree of importance to the national defense of information pertaining to supplies, services and other matters to be furnished by the Contractor to the Government or the Government to the Contractor, and the Government shall give written notice of such security classification to the Contractor and of any subsequent changes thereof; provided, however, that matters requiring security classification will be assigned the least restrictive security classification consistent with proper safeguarding of the matter concerned since over-classification causes unnecessary operational delays and depreciates the importance of correctly classified matter. Further, the Government agrees that when Atomic Energy information is involved it will when necessary indicate by a marking additional to the classification marking that the information is "Restricted Data - Atomic Energy Act 1946." The Contractor is authorized to rely on any letter or other written instrument signed by the contracting officer changing the security classification of matter. The Government also agrees upon written application of the Contractor to designate employees of the Contractor who may have access to security information classified Top Secret or Secret or to security information classified Confidential when "Restricted Data" is involved, or to matter involving research, development or production of cryptographic equipment, regardless of its military security classification; and alien employees to have access to any classified security matter, or in the case of contracts for furnishing or constructing aircraft, aircraft parts, or aeronautical accessories, to have access to the plans or specifications, or to the work under construction, or to participate in the contract trials, whether such aeronautical contracts are classified or not.

(C) The Contractor agrees that it or he shall determine that any sub-contractor, sub-bidder, individual, or organization proposed by it or him for the furnishing of supplies or services which will involve access to classified security information in its or his custody has executed a Department of Defense Security Agreement which is still in effect, with any Military Department, prior to being accorded access to such classified security information.

SECTION II - INSPECTION

Designated representatives of the Government responsible for inspection pertaining to industrial plant security shall have the right to inspect at reasonable intervals the procedures, methods, and facilities utilized by the Contractor in complying with the requirements of the terms and conditions of the Department of Defense Industrial Security Manual For Safeguarding Classified Security Matter. Should the Government, through its authorized representatives, determine that the Contractor's security methods, procedures, or facilities do not comply with such requirements, it shall submit a written report to the Contractor advising him of the deficiencies.

SECTION III - MODIFICATION

Modification of this security agreement *(as distinguished from the Industrial Security Manual For Safeguarding Classified Security Matter, which may be modified in accordance with Section I of this agreement)* may be made only by written agreement of the parties hereto.

SECTION IV - TERMINATION

This agreement shall remain in effect until terminated through the giving of 30 days written notice to the other party of intention to terminate; *provided, however,* not withstanding any such termination, the terms and conditions of this agreement shall continue in effect so long as the contractor has classified security information in his possession or under his control.

SECTION V - PRIOR SECURITY AGREEMENTS

As of the date hereof, this security agreement replaces and succeeds any and all prior security or secrecy agreements, understandings and representations with respect to the subject matter included herein, entered into between the Contractor and the Department of the Army, the Department of the Navy and/or the Department of the Air Force, *provided,* that the term "security or secrecy agreements, understandings and representations" shall not include agreements, understandings and representations contained in contracts for the furnishing of supplies or services to the Government heretofore entered into between the Contractor and the Department of the Army, the Department of the Navy and/or the Department of the Air Force.

SECTION VI - SECURITY COSTS

This agreement does not obligate Government funds, and the Government shall not be liable for any costs or claims of the Contractor arising out of this agreement or instructions issued hereunder. It is recognized, however, that the parties may provide in other written contracts for security costs which may be properly chargeable thereto.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written:

THE UNITED STATES OF AMERICA

By E. D. Williams, Jr.

E. D. WILLIAMS, JR., Lt Col, USAF
Chief, Provost Marshal Division
Inspector General's Office

AUTHORIZED REPRESENTATIVE OF THE GOVERNMENT

Edward Teller, Consultant

CORPORATION

WITNESS

By Edward Teller

Gwendolyn E. Greenlee

FIRM

NOTE - In case of corporation, witnesses not required but certificate below must be completed. Type or print names under all signatures.

TITLE

ADDRESS

NOTE - Contractor, if a corporation, should cause the following certificate to be executed under its corporate seal, provided that the same officer shall not execute both the agreement and the certificate.

CERTIFICATE

I, , certify that I am the of the corporation named as Contractor herein; that , who signed this agreement on behalf of the Contractor, was then of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

(Corporate Seal)

SIGNATURE

☆ U. S. GOVERNMENT PRINTING OFFICE : 1951 O - 980193

C O P Y

AEC Computing Facility
Institute of Mathematical Sciences
New York University
25 Waverly Place
New York 3, N. Y.

August 4, 1955

Mr. Morris Goldberg, Director
Contracts Division
New York Operations Office
U. S. Atomic Energy Commission
New York 23, New York

Dear Mr. Goldberg:

Your letter to us of July 26 concerning preliminary financial plans for F. Y. 1956 includes a statement of the distribution of time on the Univac among the various AEC contractors.

Since this schedule is at variance with the information we have received to date from the technical groups at these various sites, I am taking the liberty of sending you the enclosed set of estimates. These are, of course, entirely informal and tentative, but they reflect not only the advice we have received from the various sites, but also the general level of current requests for Univac time on a weekly basis.

At present, our weekly requests for Univac time are exceeding capacity by forty to eighty hours every week (there are about 150 hours a week available for problem scheduling). It is our understanding that under these circumstances we should try to apportion the available time as equitably as possible among those groups which have been approved by the AEC for use of our Facility. This apportionment reflects to some degree the relative annual allocations of time. Whenever the accumulated total of Univac time by any particular site gives indication of approaching the total authorized by the AEC or actually exeeeds it, we inform your office accordingly. Pending further instructions from your office, we shall use the enclosed list as the basis for weekly assignments.

You will note that our total estimate exceeds the capacity of the Univac by a substantial margin. Although this indicates that some of the contractors may not receive as much time as they need and expect, we believe that it is desirable to have an overload of this order of magnitude in order to make sure that the Univac is fully utilized in spite of occasional fluctuations in demand from one group or another.

Sincerely yours,

E. Bromberg
Administrative Director

ew
Encl.
cc: F. W. Karas, J. Orlicki, G. A. Kolstad, I. Zartman, E. Teller

AEC Computing Facility

Tentative

Univac Time Estimates

for Fiscal Year 1956

SITE	Total Hours per year	Program Details Reactors	Weapons	Research
GE-KAPL	1500	1500		
Westinghouse APD	1500	1500		
N. Y. U.	1100			600
AFSWC			500	
NDA	950			
Reactor div.		700		
APDA		200		
ONR				50
Brookhaven	750	300		150
synchrotron				300
Argonne	650	650		
Sherwood	300			300
Sandia	100		100	
Others	300	200	50	50
Total	7150	5050	650	1450

Incls
a/s

Total hours available: 6000

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND
Post Office Box 1395
Baltimore 3, Maryland

IN REPLY ADDRESS COMMUNICATION TO COMMDR. ARDC, ATTENTION FOLLOWING OFFICE SYMBOL

RDSKRS

25 July 1955

Dr. Edward Teller
Dept. of Physics
University of California
Berkeley 4, California

Dear Sir:

Inclosed is your copy of Administrative Notice to Contract No. AF 18(600)-1433.

It is requested that receipt be acknowledged in the space provided below and one copy of this letter be returned to the following address: Commander, Hq, Air Research and Development Command, Post Office Box 1395, Attn: RDSKRS, Baltimore 3, Maryland.

Very truly yours,

ARTHUR L. THAYER
Major, USAF
Chief, Research Contracts Division
Directorate of Procurement

Incl:
a/s

8/8/55
(DATE)

Receipt is acknowledged of the contractual document(s) listed above.

Edward Teller
(SIGNATURE)

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND
Post Office Box 1395
Baltimore 3, Maryland

CONTRACTOR'S COPY

IN REPLY ADDRESS BOTH COMMUNICATION AND ENVELOPE TO COMDR, ARDC, ATTENTION FOLLOWING OFFICE SYMBOL

RDSKRO-1

1 July 1955

ADMINISTRATIVE NOTICE

SUBJECT: Contract AF 18(600)-1432
Change in Administrative Recitals

CONTRACTOR: Dr. Edward Teller
Dept. of Physics
University of California
Berkeley 4, California

TO: Distributees

1. Effective 1 July 1955, the Administrative Recitals on the Cover Page of Contract AF 18(600)-1432 are amended as follows:

a. The ALLOTMENT NUMBER is changed from

5753400 043-4867 P481-01 S18-600 to

5763400 043-4877 P481-01 S18-600

b. The PURCHASE REQUEST is changed from

No. 226591 to

No. 330718

2. The foregoing changes are made in accordance with paragraph (b) of PART IV, LIMITATION OF FUNDS, of subject contract.

3. This document should be filed with the contract to which it pertains.

M F Browne

M. F. BROWNE
Contracting Officer

2

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND
Post Office Box 1395
Baltimore 3, Maryland

March 21, 1955

IN REPLY ADDRESS COMMUNICATION TO COMDR.
ARDC, ATTENTION FOLLOWING OFFICE SYMBOL

RDSKRS-1

10 MAR 1955

Commanding General ARDC
Headquarters
Air Research and Development Command
P. O. Box 1395
Baltimore 3, Maryland

Attention: RDSKRS-1

Dear Sir:

Dr. Teller gave me the four copies of Contract No. AF 18(600)-1432 and the covering letter dated 10 February just before he left town last Friday afternoon, and he did not have time to execute the contract copies before he left. Therefore this is to notify you that there will be still further delay before the return of the documents; they will probably not reach your office before the first of April.

Future delays will be minimized if communications to Dr. Teller are addressed to him here at Livermore rather than to his Berkeley address.

Very truly yours,

(Mrs.) Ruth P. Brockett
Secretary to Edward Teller

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND

Post Office Box 1395
Baltimore 3, Maryland

IN REPLY ADDRESS COMMUNICATION TO COMDR.
ARDC. ATTENTION FOLLOWING OFFICE SYMBOL

RDSKRS-1

10 MAR 1955

Dr. Edward Teller
Department of Physics
University of California
Berkeley 4, California

Gentlemen:

On 10 February 1955, we forwarded to you four (4) copies of Contract No. AF 18(600)-1432 for your signature. To date, we have not received the executed copies of this document.

Would you please let us know at your earliest convenience when we may expect this Contract returned to us. Thank you.

Sincerely,

A. T. SMITH
Chief, Contract Services Branch
Research Contracts Division
Directorate of Procurement

sent last week —

SAN FRANCISCO AIR PROCUREMENT DISTRICT
SACRAMENTO AIR MATERIEL AREA
1515 Clay Street
Oakland 4, California

In Reply Refer to
Following Office
Symbol:

SMHOE

Mail Address:
Post Office Box 1440
Oakland 4, California

17 MAR 1950

SUBJECT: Department of Defense Industrial Security Manual for Safeguarding Classified Information (Attachment to DD Form 441) Revision No. 1

TO: Dr. Edward Teller
University of California
Radiation Laboratory
Livermore, California

Inclosed herewith is Revision No. 1 to Industrial Security Manual for Safeguarding Classified Information (Attachment to DD Form 441) for your information and retention.

FOR THE CHIEF:

T. A. BARNUM
Chief, Security Division

1 Incl:
a/s

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND
Post Office Box 1395
Baltimore 3, Maryland

IN REPLY ADDRESS BOTH COMMUNICATION AND ENVELOPE
TO CG, ARDC, ATTENTION FOLLOWING OFFICE SYMBOL

RDSKRS-1

10 February 1955

Dr. Edward Teller
Department of Physics
University of California
Berkeley 4, California

Dear Sir:

Enclosed are four (4) copies of Contract No. AF 18(600)-1432 . The copy marked "Advance Copy" is furnished for your information and may be retained by you. The remaining three (3) copies should be executed in accordance with the following instructions:

(a) Your signature should be witnessed by two (2) witnesses in the spaces provided therefor on the three (3) copies you return to us. The names of the witnesses should be typed below the respective signatures.

(b) The date of execution as set forth in the inclosures should not be altered, nor should any deletions or additions be made to the document.

Three (3) properly executed copies of the document must be returned to this Headquarters, attention RDSKRS-1. Any telephonic inquiries relative thereto may be directed to Mrs. M. F. Browne , telephone Lexington 9-2616, extension 577 .

If any delay in returning these documents is foreseen, it is desired that this office be notified of the delay and the anticipated date of return, in order that follow-up inquiries will be unnecessary.

Very truly yours,

H. HUBER
Civilian Chief
Research Contracts Division
Directorate of Procurement

1 Incl:
a/s above

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND
Post Office Box 1395
Baltimore 3, Maryland

IN REPLY ADDRESS BOTH COMMUNICATION AND ENVELOPE
TO CG, ARDC, ATTENTION FOLLOWING OFFICE SYMBOL

RDSKRS-1

10 February 1955

Dr. Edward Teller
Department of Physics
University of California
Berkeley 4, California

Dear Sir:

Enclosed are four (4) copies of Contract No. AF 18(600)-1432. The copy marked "Advance Copy" is furnished for your information and may be retained by you. The remaining three (3) copies should be executed in accordance with the following instructions:

(a) Your signature should be witnessed by two (2) witnesses in the spaces provided therefor on the three (3) copies you return to us. The names of the witnesses should be typed below the respective signatures.

(b) The date of execution as set forth in the inclosures should not be altered, nor should any deletions or additions be made to the document.

Three (3) properly executed copies of the document must be returned to this Headquarters, attention RDSKRS-1. Any telephonic inquiries relative thereto may be directed to Mrs. M. F. Browne, telephone Lexington 9-2616, extension 577.

If any delay in returning these documents is foreseen, it is desired that this office be notified of the delay and the anticipated date of return, in order that follow-up inquiries will be unnecessary.

Very truly yours,

A Huber

H. HUBER
Civilian Chief
Research Contracts Division
Directorate of Procurement

1 Incl:
a/s above

F.P.
CALL

DEPARTMENT OF DEFENSE
NEGOTIATED CONTRACT MFB/ by

DEPARTMENT: Air Force

CONTRACT NO. AF18(600)- 1432
Class: None

ISSUING OFFICE
NAME: AIR RESEARCH AND DEVELOPMENT COMMAND
ADDRESS: Post Office Box 1395
Baltimore 3, Maryland

CONTRACTOR
NAME: DR. EDWARD TELLER (An Individual)
ADDRESS: Department of Physics, University of California, Berkeley 4, California

CONTRACT FOR: Scientific Consultant Services as a Member of the Scientific Advisory Board to Chief of Staff, USAF

AMOUNT: NOT TO EXCEED $ 1,500.00

APPROPRIATION AND OTHER ADMINISTRATIVE DATA

ALLOTMENT NO. 5753 400 043-4867 P481-01 S18-600

PURCHASE REQUEST: 226591

PROJECT NO. P-481

INITIATOR: CAPT. FRANK S. ATTINGER, AFCSA

BUYER: M. F. BROWNE, RDSKRO-1

PAYMENTS WILL BE MADE BY THE FINANCE OFFICER, 6590TH HEADQUARTERS SUPPORT GROUP, POST OFFICE BOX 1395, BALTIMORE 3, MARYLAND.

ADMINISTRATIVE OFFICE: HEADQUARTERS, AIR RESEARCH AND DEVELOPMENT COMMAND, POST OFFICE BOX 1395, BALTIMORE 3, MARYLAND, ATTN: RDSKRO-1.

THIS NEGOTIATED CONTRACT IS ENTERED INTO PURSUANT TO THE PROVISIONS OF SECTION 2(c)(1) OF THE ARMED SERVICES PROCUREMENT ACT OF 1947 (PUBLIC LAW 413, 80TH CONGRESS), SECTION 701, DEPARTMENT OF DEFENSE APPROPRIATION ACT, (P.L.458, 83d CONGRESS) AND SECTION 15 OF THE ACT APPROVED 2 AUGUST 1946, (P.L.600, 79TH CONGRESS) AND ANY REQUIRED DETERMINATION AND FINDINGS HAVE BEEN MADE.

ADVANCE COPY
FOR INFORMATION PURPOSES ONLY

ADVANCE COPY
FOR INFORMATION PURPOSES ONLY

THIS CONTRACT is entered into as of 1 February, 1955, by and between the United States of America, hereinafter called the Government, represented by the Contracting Officer executing this contract, and DR. EDWARD TELLER (An Individual)
(NAME OF CONTRACTOR)

(iii) an individual trading as DR. EDWARD TELLER (An Individual)

hereinafter called the Contractor.

EDWARD TELLER

CALL CONTRACT FOR PERSONAL SERVICES

WHEREAS, the Secretary of the Air Force has determined that the services d for hereunder will be advantageous to the national defense and has further ermined that existing facilities of the Air Force are not adequate to perform ich services:

NOW, THEREFORE, the parties hereto agree as follows:

SCHEDULE

PART I SERVICES TO BE FURNISHED - The Contractor shall furnish to the Government within the time set forth below persoral services of a scientific nature as a member of the Scientific Advisory Board, consisting in general of participation as a consultant to assist in the planning and execution of the research and development program and other matters of the United States Air Force. Such services shall be rendered by the contractor at such times and places, as the Deputy Secretary of the Scientific Advisory Board, Office of the Chief of Staff, Headquarters, USAF, may direct by issuing calls therefor.

PART II CALLS - (a) Upon receipt by it of Calls therefor issued unilaterally hereunder by the Contracting Officer or his Representative, the Contractor, pursuant to such Calls, shall furnish to the Government services of the type and at the prices set forth in the Schedule. Calls may be issued at the sole option of the Contracting Officer or his Representative during the period set forth in the Schedule. It is understood and agreed that the Government undertakes no obligation hereby to issue Calls hereunder. The provisions of this contract, including the Schedule, shall govern all Calls issued hereunder during the aforementioned period.

(b) Calls issued pursuant to this contract shall bear the number of this contract and shall be in writing, serially numbered, dated, and signed by the Contracting Officer or his Representative. They shall set forth the services to be furnished, together with other pertinent instructions, and shall contain a citation of the funds from which payment for the services called for shall be made. Amendments to Calls shall be issued in the same manner as original Calls.

PART III PAYMENTS - The Government will pay the Contractor as full payment for the services to be performed, the sum of Fifty Dollars and No Cents ($50.00) per day for each day of service performed hereunder. It is understood that time will be computed as of the date the Contractor is directed to commence performance of the services at his home or upon departure of the Contractor from his home or regular place of employment. The Government will pay transportation travel expenses incurred from his home or regular place of employment to the site of the work, between sites of work, and return to home or regular place of employment and per diem in lieu of subsistence for each day the Contractor is away from his home or regular place of employment, in accordance with Standardized Joint Travel Regulations as authorized in appropriate travel orders. Invoices for the above services will be submitted to the Deputy Secretary of the Scientific Advisory Board, Office of the Chief of Staff, Headquarters, USAF, Washington 25, D.C., who will certify these invoices and return to Headquarters, Air Research and Development Command, Post Office Box 1395, Baltimore 3, Maryland, for processing to the U. S. Air Force Finance Officer designated to make payments hereunder. Transportation and per diem expenses will be paid from other than contract funds.

AF 18 (600)-1432

2

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND

Post Office Box 1395
Baltimore 3, Maryland

IN REPLY ADDRESS COMMUNICATION TO COMDR, ARDC, ATTENTION FOLLOWING OFFICE SYMBOL

RDSKRS-1

Dr. Edward Teller
University of California Radiation Laboratory
P. O. Box 808
Livermore, California

Dear Sir:

Enclosed is your executed copy of Supplemental Agreement No. 1 to contract AF 18(600)-1097.

It is requested that receipt be acknowledged in the space provided below and one copy of this letter be returned to the following address: Commander, Hq, Air Research and Development Command, Post Office Box 1395, Attention: RDSKRS-1, Baltimore 3, Maryland.

Very truly yours,

THOMAS F. WELDON
Lt Colonel, USAF
Chief, Research Contracts Division
Directorate of Procurement

1 Incl:
S/A No. 1 to
Contr AF-1097

_____
(DATE)

Receipt is acknowledged of the contractual documents(s) listed above.

_____
(SIGNATURE)

RDP 71-82A
1 AUG 51

Supplemental Agreement No. 1(55-156)
to Contract No. AF 18(600)-1097

Classification None

PR 298236

Initiator: MAJOR WILLIAM H. STREET, AFCSA

MFB/mfs

Buyer: M. F. BROWNE, RDSKRO

E. O. No.: None

Project No. P-481

SUPPLEMENTAL AGREEMENT
TO
FIXED PRICE CONTRACT
for
SERVICES
DEPARTMENT OF THE AIR FORCE
(UNITED STATES AIR FORCE)

CONTRACTOR'S COPY

CONTRACTOR: DR. EDWARD TELLER (An Individual)

SUPPLEMENTAL AGREEMENT FOR: ADDITIONAL CONSULTANT SERVICES

CHANGE IN PRICE: $750.00 -- INCREASE

Payments to be made by the Finance Officer, 6590th Headquarters Support Group, P. O. Box 1395, Baltimore 3, Maryland.

The supplies and services, if any, to be obtained by this instrument are authorized by, are for the purpose set forth in, and are chargeable to the allotments below enumerated under the heading "Debit", the available balances of which are sufficient to cover the cost thereof. The reduction, if any, in price under this instrument will result in credits to the allotments below enumerated under the heading "Credit".

DEBIT: 5753 400 543-4867 P481-01 S18-600

Invoices (or Vendor's Shipping Documents used as invoices) shall be made out to the Disbursing Officer and mailed to the Administrative Office.

Administrative Office: Headquarters, Air Research and Development Command, P. O. Box 1395, Baltimore 3, Maryland (RDSKRO).

This negotiated Supplemental Agreement is entered into pursuant to the provisions of Section 2 (c) (1) of the Armed Services Procurement Act of 1947 (Public Law 413, 80th Congress), Section 701, Department of Defense Appropriation Act (P.L. 458, 83d Congress) and Section 15 of the Act Approved 2 August 1946 (P.L.600, 79th Congress) and any required Determination and Findings have been made.

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND
Post Office Box 1395
Baltimore 3, Maryland

IN REPLY ADDRESS COMMUNICATION TO COMDR, ARDC, ATTENTION FOLLOWING OFFICE SYMBOL

RDSKRS-1

8 OCT 1954

Dr. Edward Teller
University of California Radiation Laboratory
P. O. Box 808
Livermore, California

Dear Sir:

Enclosed is your executed copy of Supplemental Agreement No. 1 to contract AF 18(600)-1097.

It is requested that receipt be acknowledged in the space provided below and one copy of this letter be returned to the following address: Commander, Hq, Air Research and Development Command, Post Office Box 1395, Attention: RDSKRS-1, Baltimore 3, Maryland.

Very truly yours,

1 Incl:
S/A No. 1 to
Contr AF-1097

THOMAS F. WELDON
Lt Colonel, USAF
Chief, Research Contracts Division
Directorate of Procurement

_____
(DATE)

Receipt is acknowledged of the contractual documents(s) listed above.

_____
(SIGNATURE)

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND
Post Office Box 1395
Baltimore 3, Maryland

IN REPLY ADDRESS BOTH COMMUNICATION AND ENVELOPE TO CGARDC, ARDC, ATTENTION FOLLOWING OFFICE SYMBOL

RDSKRS-1/Mrs. D. Virtue

September 7, 1954

1 September 1954

Dr. Edward Teller
University of California Radiation Laboratory
P.O. Livermore
Commander, Air Research and
Development Command
P. O. Box 1395
Baltimore 3, Maryland

Attention: RDSKRS-1/Mrs. D. Virtue

Dear Sir:

There will be a delay of from ten days to two weeks in Dr. Teller's signing and returning the Supplemental Agreement enclosed in your letter of 1 September 1954, which was received this morning. Dr. Teller is out of town and will not return to Livermore until some time next week, when I will try to bring this matter to his attention.

Very truly yours,

Mrs. M.F. Ruth P. Brockett
Secretary to Edward Teller

Three (3) properly executed copies of the document must be returned to this Headquarters, attention RDSKRS-1. Any telephonic inquiries relative thereto may be directed to telephone Lexington 9-2616, extension 377.

If any delay in returning these documents is foreseen, it is desired that this office be notified of the delay and the anticipated date of return, in order that follow-up inquiries will be unnecessary.

Very truly yours,

THOMAS F. WELDON
Lt Colonel, USAF
Chief, Research Contracts Division
Directorate of Procurement

1 Incl:
S/A 1 to
contr AF-1097
(4 cys)

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND
Post Office Box 1395
Baltimore 3, Maryland

IN REPLY ADDRESS BOTH COMMUNICATION AND ENVELOPE TO COMDR, ARDC, ATTENTION FOLLOWING OFFICE SYMBOL

RDSKRS-1/Mrs. D. Virtue

1 September 1954

Dr. Edward Teller
University of California Radiation Laboratory
P.O. Box 808
Livermore, California

Dear Sir:

Enclosed are four (4) copies of Supplemental Agreement No. 1(55-156) to contract AF18(600)-1097 . The copy marked "Advance Copy" is furnished for your information and may be retained by you. The remaining three (3) copies should be executed in accordance with the following instructions:

(a) Your signature should be witnessed by two (2) witnesses in the spaces privided therefor. The names of the witnesses should be typed below the respective signatures.

(b) The date of execution as set forth in the inclosures should not be altered, nor should any deletions or additions be made to the document.

Three (3) properly executed copies of the document must be returned to this Headquarters, attention RDSKRS-1. Any telephonic inquiries relative thereto may be directed to Mrs. M.F. Browne , telephone Lexington 9-2616, extension 577.

If any delay in returning these documents is foreseen, it is desired that this office be notified of the delay and the anticipated date of return, in order that follow-up inquiries will be unnecessary.

Very truly yours,

THOMAS F. WELDON
Lt Colonel, USAF
Chief, Research Contracts Division
Directorate of Procurement

1 Incl:
S/A 1 to
contr AF-1097
(4 cys)

RDP 71-83A
1 AUG 51

ADVANCE COPY
FOR INFORMATION PURPOSES ONLY

MFB/mfs

Supplemental Agreement No. 1(55-156)
to Contract No. AF 18(600)-1097

Classification None

PR 298236

Initiator: MAJOR WILLIAM H. STREET, AFCSA

Buyer: M. F. BROWNE, RDSKRO

E. O. No.: None

Project No. P-481

SUPPLEMENTAL AGREEMENT
TO
FIXED PRICE CONTRACT
for
SERVICES
DEPARTMENT OF THE AIR FORCE
(UNITED STATES AIR FORCE)

CONTRACTOR: DR. EDWARD TELLER (An Individual)

SUPPLEMENTAL AGREEMENT FOR: ADDITIONAL CONSULTANT SERVICES

CHANGE IN PRICE: $750.00 -- INCREASE

Payments to be made by the Finance Officer, 6590th Headquarters Support Group, P. O. Box 1395, Baltimore 3, Maryland.

The supplies and services, if any, to be obtained by this instrument are authorized by, are for the purpose set forth in, and are chargeable to the allotments below enumerated under the heading "Debit", the available balances of which are sufficient to cover the cost thereof. The reduction, if any, in price under this instrument will result in credits to the allotments below enumerated under the heading "Credit".

DEBIT: 5753 400 543-4867 P481-01 S18-600

Invoices (or Vendor's Shipping Documents used as invoices) shall be made out to the Disbursing Officer and mailed to the Administrative Office.

Administrative Office: Headquarters, Air Research and Development Command, P. O. Box 1395, Baltimore 3, Maryland (RDSKRO).

ADVANCE COPY
FOR INFORMATION PURPOSES ONLY

This negotiated Supplemental Agreement is entered into pursuant to the provisions of Section 2 (c) (1) of the Armed Services Procurement Act of 1947 (Public Law 413, 80th Congress), Section 701, Department of Defense Appropriation Act (P.L. 458, 83d Congress) and Section 15 of the Act Approved 2 August 1946 (P.L.600, 79th Congress) and any required Determination and Findings have been made.

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND

Post Office Box 1395
Baltimore 3, Maryland

IN REPLY ADDRESS BOTH COMMUNICATION AND ENVELOPE TO COMDR, ARDC, ATTENTION FOLLOWING OFFICE SYMBOL

RDSKRS-1

18 MAR 1954

CONTRACTOR'S COPY

Dr. Edward Teller
University of California
Radiation Laboratory
P.O. Box 808
Livermore, California

Dear Sir:

Inclosed is your executed copy of negotiated contract AF18(600)-1097.

It is requested that receipt be acknowledged in the space provided below and one copy of this letter be returned to the following address: Commander, Hq, Air Research and Development Command, Post Office Box 1395, Attention: RDSKRS-1, Baltimore 3, Maryland.

Very truly yours,

Incl:

THOMAS F. WELDON
Lt Colonel, USAF
Chief, Research Contracts Division
Directorate of Procurement
Deputy Commander/Support Operations

(DATE)

Receipt is acknowledged of the contractual document(s) listed above.

(SIGNATURE)

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND
Post Office Box 1395
Baltimore 3, Maryland

IN REPLY ADDRESS BOTH COMMUNICATION AND ENVELOPE
TO COMDR, ARDC, ATTENTION FOLLOWING OFFICE SYMBOL

RDSKR-1

Dr. Edward Teller
University of California
Radiation Laboratory
Post Office Box 808
Livermore, California

Dear Sir:

Reference is made to Contract AF18(600)- 1097 covering consultant services to the Chief of Staff, United States Air Force, during the period 1 January 1954 through 30 June 1954, which was recently forwarded to you for signature.

Based on the fact that your contract and those of other members of the Scientific Advisory Board call for less than ninety days' service, Clause 12 of the contract, Patents, will be deleted in its entirety; and the executed copy of the contract which you will receive in the near future will be so modified.

Very truly yours,

Thomas F. Weldon

THOMAS F. WELDON
Lt. Colonel, USAF
Chief, Research Contracts Division
Deputy Commander/Support Operations

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND
Post Office Box 1395
Baltimore 3, Maryland

IN REPLY ADDRESS BOTH COMMUNICATION AND ENVELOPE
TO CG, ARDC, ATTENTION FOLLOWING OFFICE SYMBOL

RDMPE-4P

FEB 5 1954

2 February 1954

Dr. Edward Teller
University of California
Radiation Laboratory, P.O. Box 808
Livermore, California

Dear Sir:

Inclosed are four copies of Contract No. AF 18 (600)- 1097 While the Scientific Advisory Board desired that this contract be written covering the full calendar year 1954, limitations on the use of Fiscal Year 1954 funds during part of Fiscal Year 1955, which begins 1 July 1954, made it necessary to write the contract and provide funds for the balance of Fiscal Year 1954 only. It is presently expected that on or about 1 July 1954 a supplemental agreement to this contract will be written to cover the period from 1 July 1954 to 31 December 1954 and to add Fiscal Year 1955 money.

The copy marked "Advance Copy" is furnished for your information and may be retained by you. The remaining three (3) copies should be executed in accordance with the following instructions:

(a) Your signature should be witnessed by two (2) witnesses in the spaces provided therefor. The names of the witnesses should be typed below the respective signatures.

(b) The date of execution as set forth in the inclosures should not be altered, nor should any deletions or additions be made to the document.

Three (3) properly executed copies of the document must be returned to this Headquarters, attention RDMPE-4P. Any telephonic inquiries relative thereto may be directed to Mrs. M. F. Browne, telephone Lexington 9-2616, extension 376.

If any delay in returning these documents is foreseen, it is desired that this office be notified of the delay and the anticipated date of return, in order that follow-up inquiries will be unnecessary.

Very truly yours,

for THOMAS F. WELDON
Lt. Colonel, USAF
Chief, Research Contracts Division
Directorate of Procurement/Materiel

1 Incl.
Contr AF-1097
(4 copies)

FOLLOWING OFFICE SYMBOL

RDDDH-2

17 JUL 1953

F.P. DEPARTMENT OF DEFENSE **NEGOTIATED CONTRACT** MFB/by	DEPARTMENT OF THE Air Force	CONTRACT NO. AF18(600)- 1097 Class: None

ISSUING OFFICE

NAME	ADDRESS
AIR RESEARCH AND DEVELOPMENT COMMAND	Post Office Box 1395 Baltimore 3, Maryland

CONTRACTOR

NAME	ADDRESS
DR. EDWARD TELLER (An Individual)	University of California Radiation Laboratory, P.O. Box 808, Livermore, California

CONTRACT FOR	AMOUNT
Scientific Consultant Services as a Member of the Scientific Advisory Board to Chief of Staff, USAF	FIXED PRICE $ 750.00

APPROPRIATION AND OTHER ADMINISTRATIVE DATA

ALLOTMENT NO. 5743400 443-4868 481-07 S18-600

P.R. NO. 393089

PROJECT NO. P-481

BUYER: M.F.BROWNE, RDMPE-1

INITIATOR: DANIEL D. WHITCRAFT, JR., MAJOR, USAF, AFCSA

PAYMENTS WILL BE MADE BY THE FINANCE OFFICER, 6590th HEADQUARTERS SUPPORT GROUP, POST OFFICE BOX 1395, BALTIMORE 3, MARYLAND

ADMINISTRATIVE OFFICE: HEADQUARTERS, AIR RESEARCH AND DEVELOPMENT COMMAND, POST OFFICE BOX 1395, BALTIMORE 3, MARYLAND (ATTN: RDMPE-1)

THIS CONTRACT HAS BEEN NEGOTIATED PURSUANT TO SECTION 2 (c)(1) OF THE ARMED SERVICES PROCUREMENT ACT, 1947 (P.L. 413, 80th CONGRESS), SECTION 601, DEPARTMENT OF DEFENSE APPROPRIATION ACT, (P.L. 179, 83d CONGRESS) AND SECTION 15 OF ACT APPROVED 2 AUGUST 1946 (P.L. 600, 79th CONGRESS) AND ANY REQUIRED DETERMINATION AND FINDINGS HAVE BEEN MADE.

ADVANCE COPY
FOR INFORMATION PURPOSES ONLY

ADVANCE COPY
FOR INFORMATION PURPOSES ONLY

THIS CONTRACT is entered into as of 29 December, 19 53, by and between the United States of America, hereinafter called the Government, represented by the Contracting Officer executing this contract, and DR. EDWARD TELLER (An Individual)
(NAME OF CONTRACTOR)

(iii) an individual trading as DR. EDWARD TELLER

hereinafter called the Contractor.

DD FORM 1 JUN 50 351

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND
Post Office Box 1395
Baltimore 3, Maryland

IN REPLY ADDRESS BOTH COMMUNICATION AND ENVELOPE
TO CG, ARDC, ATTENTION FOLLOWING OFFICE SYMBOL

RDDDH-2

17 JUL 1953

Dr. Edward Teller
Institute for Nuclear Studies
The University of Chicago
Chicago 37, Illinois

Dear Sir:

This report on Human Factors in B-47 Operation has been sent to you for the information of yourself and/or your immediate staff. It is intended primarily to bring to your attention the efforts being made by the Air Research and Development Command to:

1. Identify and analyze in B-47B aircraft the factors which militate against the efficiency of the human operator.

2. Expand the understanding of Air Force engineers and scientists of the need to make adequate provision in the future for the capabilities and limitations of the human operators of weapon systems during all phases of their development.

This copy is furnished for your retention. Your comments are invited on any of the findings and recommendations, investigation or reporting methods. Comments may be transmitted directly to this Headquarters, Attention: RDDH.

C2-40068

BK #53

Don Flickinger
DON FLICKINGER
Colonel, USAF (MC)
Director of Human Factors
Office of Deputy for Development

Destroyed 4/16/63

Unclassified
Declassified